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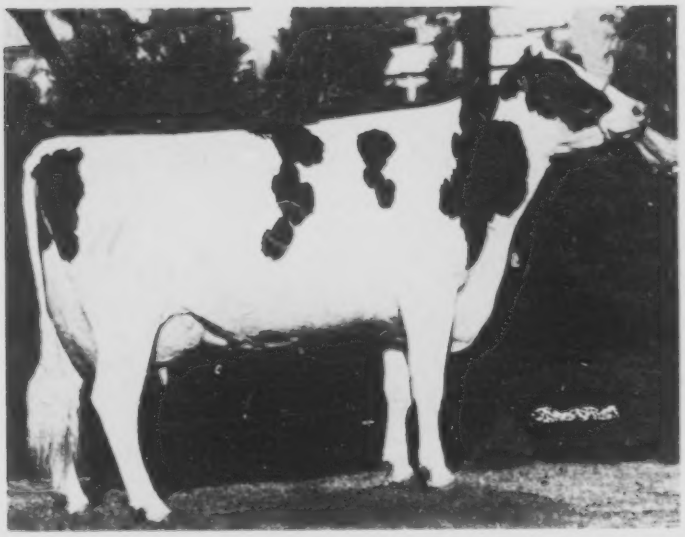
CALIFORNIA DAIRY INDUSTRY STATISTICS

1981



MANUFACTURED DAIRY PRODUCTS,
MILK PRODUCTION,
UTILIZATION AND PRICES

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FOREWORD

This is the thirty-eighth annual report on statistics affecting the Dairy Industry issued by the California Crop and Livestock Reporting Service. It contains, for the year 1981, a summary of statistical data which was originally published in the "Dairy Information Bulletin." Comparative figures for earlier years, and selected special reports relating to the Dairy Industry are also presented. All changes from previously published data represent either corrections of errors or revisions based on receipt of more complete information.

Most of the statistical data contained in this bulletin are based on reports filed by individuals and firms engaged in the production, manufacture, and distribution of milk and dairy products in California. Although it is not possible to list all of these reporters individually, their cooperation is acknowledged with appreciation.

Data pertaining to the United States and to states other than California were secured from various reports of the United States Department of Agriculture. Estimates of the population of California were obtained from reports of the California Department of Finance.

The invaluable assistance of the personnel of the Bureau of Milk Stabilization, Division of Marketing Services of the California Department of Food and Agriculture, in the compilation, organization, and presentation of data for this report is gratefully appreciated.

MILK COWS ON FARMS, PRODUCTION PER MILK COW, AND TOTAL PRODUCTION ON FARMS

On January 1, 1982, there were an estimated 940 thousand milk cows and heifers that had calved on farms in California. This was 31 thousand more than were estimated for January 1, 1981. The estimated number of cows milked during the year 1981 was 923 thousand. This compares with an average of 896 thousand head milked during the year 1980.

The average production of milk per cow in California during 1981 was 15,432 pounds. This was 279 pounds more than 1980. Total milk production during 1981 was 14,244 million pounds—4.9 percent more than was produced during 1980.

Cash receipts from farm marketings of milk and cream in California during 1981 totaled approximately 1,946 million dollars. The comparable figure for 1980 was 1,770 million dollars. Increased production at higher prices was responsible for the increase in total cash receipts.

As of January 1, 1982, there was an estimated total of 11,015 thousand milk cows and heifers that had calved on farms throughout the United States. This was 145 thousand head or 1.3 percent more than the number estimated for January 1, 1981. The average number of cows milked during the year 1981 was 10,919 thousand head. This was 109 thousand head more than the average for 1980.

The average production of milk per cow in the United States during 1981 was 12,147 pounds. This was 258 pounds above the 1980 figure and established a new record high in production per cow. Total milk production during 1981 was 132,634 million pounds, 4,109 million pounds more than in 1980.

Cash receipts from marketings of milk and cream in the United States during 1981 totaled approximately 18,077 million dollars. The comparable figure for 1980 was 16,584 million dollars.

TABLE 1. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, CALIFORNIA, 1963-1981

Year	Milk cows & heifers that have calved, on farms (thousands)		Average Production per milk cow (pounds)		Total Production on farms (million pounds)		Cash receipts from farm marketings of dairy products 2/
	Jan. 1 1/	Average during year	Milk	Milk Fat	Milk	Milk Fat	(thousand dollars)
1963	881	798	10,400	380	8,299	303	387,084
1964	867	790	10,810	395	8,540	312	403,115
1965	858	783	10,830	395	8,480	310	403,233
1966	849	774	11,112	403	8,601	312	424,366
1967	841	765	11,375	413	8,702	316	443,121
1968	833	754	11,869	427	8,949	322	470,528
1969	816	746	11,928	431	8,898	321	477,054
1970	750	755	12,526	450	9,457	340	534,049
1971	758	763	12,726	458	9,710	350	560,925
1972	766	778	13,368	479	10,400	372	608,082
1973	789	792	13,045	470	10,332	372	692,976
1974	810	797	13,295	479	10,596	381	894,347
1975	800	800	13,566	492	10,853	394	997,202
1976	810	811	14,282	514	11,583	417	1,089,142
1977	809	827	14,472	517	11,968	427	1,182,467
1978	846	846	14,018	506	11,859	428	1,227,584
1979	860	871	14,424	512	12,563	446	1,453,330
1980	878	896	15,153	547	13,577	490	1,770,324
1981	909	923	15,432	554	14,244	511	1,945,623
1982	940						

1/ Prior to January 1, 1970, milk cows and heifers, two years old or older.

2/ All milk and cream.

California accounted for 10.7 percent of the milk produced in the United States during 1981 and received 10.8 percent of the cash receipts from farm marketings of milk and cream. California ranked second among the states in the average number of milk cows on farms during 1981. It ranked first in production of milk per cow; second in total milk production; and second in cash receipts from farm marketings of milk and cream. Wisconsin had more cows, produced more milk, and received more from farm marketings of milk and cream than did California.

Estimates of the number of milk cows and heifers that had calved on farms by county and by crop reporting district in California at the beginning of 1981 and of 1982 are given in Table 4. Of the total of 940 thousand head on farms in the State on January 1, 1982, approximately 55 percent were in the San Joaquin Valley, 30 percent in Southern California, and 7 percent in the Central Coast counties. The five leading counties were San Bernardino, Tulare, Stanislaus, Merced, and Riverside. Together these counties accounted for about 60.4 percent of all the milk cows in the State.

TABLE 2. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, UNITED STATES, 1963-1981

	Milk cows & heifers that have calved, on farms (thousands)		Average Production per milk cow (pounds)		Total Production on farms (million pounds)		Cash receipts from farm marketings of dairy products 2/
Year	Jan. 1 1/	Average during year	Milk	Milk Fat	Milk	Milk Fat	(thousand dollars)
1963	18,379	16,260	7,700	286	125,202	4,649	4,860,891
1964	17,647	15,677	8,099	300	126,967	4,699	5,026,833
1965	16,981	14,953	8,305	307	124,180	4,592	5,037,727
1966	15,973	14,071	8,522	314	119,912	4,426	5,533,398
1967	15,129	13,415	8,851	327	118,732	4,377	5,742,231
1968	14,456	12,832	9,135	335	117,225	4,305	5,957,282
1969	13,821	12,307	9,434	346	116,108	4,264	6,195,672
1970	13,303	12,000	9,747	357	116,962	4,283	6,525,163
1971	11,909	11,842	10,009	366	118,532	4,344	6,810,804
1972	11,778	11,698	10,250	377	119,904	4,408	7,134,676
1973	11,624	11,409	10,114	370	115,385	4,221	8,080,080
1974	11,286	11,219	10,300	378	115,553	4,238	9,430,140
1975	11,211	11,140	10,352	381	115,326	4,240	9,909,334
1976	11,087	11,055	10,879	399	120,269	4,406	11,428,455
1977	11,031	10,974	11,181	409	122,698	4,483	11,751,730
1978	10,939	10,841	11,218	412	121,609	4,462	12,689,783
1979	10,839	10,743	11,488	421	123,411	4,518	14,650,237
1980	10,769	10,810	11,889	434	128,525	4,696	16,583,532
1981	10,870	10,919	12,147	442	132,634	4,827	18,077,097
1982	11,015						

1/ Prior to January 1, 1970, milk cows and heifers, two years old or older.

2/ All milk and cream.

TABLE 3. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, BY STATES - UNITED STATES 1981

State	Milk cows on farms 1/	Average Production per milk cow (pounds)		Total Production on farm (million pounds)		Cash receipts from farm marketings of dairy products 2/
	(thousands)	Milk	Milk Fat	Milk	Milk Fat	(thousand dollars)
Alabama	63	9,238	334	582	21	84,827
Alaska	1.1	12,182	436	13.4	0.5	2,465
Arizona	77	14,714	530	1,133	41	158,920
Arkansas	82	9,671	344	793	28	109,910
California	923	15,432	554	14,244	511	1,945,623
Colorado	73	12,712	451	928	33	134,286
Connecticut	48	12,917	468	620	22	90,043
Delaware	9.9	12,525	462	124	4.6	17,446
Florida	189	11,016	382	2,082	72	347,592
Georgia	130	10,738	390	1,396	51	202,272
Hawaii	12.7	11,811	412	150	5.2	30,320
Idaho	166	13,012	466	2,160	77	272,878
Illinois	233	11,176	411	2,604	96	354,522
Indiana	206	11,078	412	2,282	85	310,362
Iowa	382	11,251	412	4,298	157	559,265
Kansas	124	11,266	410	1,397	51	192,197
Kentucky	242	9,426	347	2,281	84	297,976
Louisiana	107	9,280	331	993	35	145,560
Maine	57	12,263	448	699	26	102,366
Maryland	122	12,754	469	1,556	57	220,649
Massachusetts	46	12,565	456	578	21	85,989
Michigan	393	12,985	473	5,103	186	693,961
Minnesota	886	11,356	412	10,061	365	1,306,692
Mississipoi	97	8,711	318	845	31	120,847
Missouri	249	11,554	419	2,877	104	380,560
Montana	29	11,414	403	331	12	42,104
Nebraska	123	11,382	414	1,400	51	183,580
Nevada	15.6	14,231	504	222	7.9	29,078
New Hampshire	29	11,862	438	344	13	49,495
New Jersey	41	12,049	442	494	18	69,484
New Mexico	51	13,137	461	670	24	101,897
New York	912	12,163	439	11,093	400	1,505,097
North Carolina	134	12,343	451	1,654	60	239,581
North Dakota	93	10,355	371	963	34	117,054
Ohio	380	11,539	425	4,385	161	598,557
Oklahoma	110	10,455	376	1,150	41	163,734
Oregon	97	12,577	470	1,220	46	166,840
Pennsylvania	721	12,434	456	8,965	329	1,282,574
Rhode Island	3.9	11,795	423	46	1.7	6,592
South Carolina	48	11,500	445	552	21	86,505
South Dakota	158	11,120	401	1,757	63	224,333
Tennessee	214	10,729	398	2,296	85	307,835
Texas	324	11,312	399	3,665	129	540,900
Utah	83	13,373	471	1,110	39	144,069
Vermont	186	12,371	453	2,301	84	323,698
Virginia	172	11,680	425	2,009	73	280,026
Washington	205	14,717	537	3,017	110	413,822
West Virginia	36	9,722	358	350	13	47,461
Wisconsin	1,825	12,441	462	22,705	842	2,968,096
Wyoming	12	11,333	402	136	4.8	17,157
UNITED STATES 3/	10,919	12,147	442	132,634	4,827	18,077,097

1/ Average number during year, heifers that have not freshened excluded.

2/ All milk and cream.

3/ State totals may not add to U.S. total because of rounding.

TABLE 4. ESTIMATED NUMBER OF MILK COWS AND HEIFERS THAT HAVE CALVED ON FARMS JANUARY 1, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1981-1982

County and District	1981	1982
Del Norte	1,900	2,000
Humboldt	13,500	14,100
Mendocino	800	800
North Coast	16,200	16,900
Shasta	1,300	1,300
Siskiyou	2,200	2,200
Trinity	---	---
North Central	3,500	3,500
Lassen	250	250
Modoc	100	100
Plumas	---	---
North East	350	350
Alameda	---	---
Contra Costa	2,400	2,500
Lake	50	50
Marin	14,000	13,000
Monterey	4,300	4,000
Napa	2,000	2,000
San Benito	1,100	1,100
San Francisco	---	---
San Luis Obispo	2,200	2,300
San Mateo	50	50
Santa Clara	4,100	4,400
Santa Cruz	600	600
Sonoma	33,000	36,000
Central Coast	63,800	66,000
Butte	1,900	1,700
Colusa	500	500
Glenn	13,500	13,700
Sacramento	21,400	21,600
Solano	1,100	1,100
Sutter	1,400	1,500
Tehama	3,100	3,100
Yolo	500	400
Yuba	1,400	1,700
Sacramento Valley	44,800	45,300
Fresno	51,500	54,700
Kern	20,000	20,000
Kings	51,000	56,000
Madera	16,500	17,000
Merced	82,000	90,000
San Joaquin	59,000	61,000
Stanislaus	102,000	107,000
Tulare	114,000	115,000
San Joaquin Valley	496,000	520,700
Alpine	---	---
Amador	50	50
Calaveras	50	50
El Dorado	100	100
Inyo	50	50
Mariposa	400	400
Mono	50	50
Nevada	---	---
Placer	450	450
Sierra	---	---
Tuolumne	100	100
Sierra Mountain	1,250	1,250
Imperial	500	400
Los Angeles	5,300	4,300
Orange	300	300
Riverside	90,000	90,000
San Bernardino	163,000	166,000
San Diego	16,000	17,000
Santa Barbara	5,000	5,000
Ventura	3,000	3,000
Southern California	283,100	286,000
STATE	909,000	940,000

COMMERCIAL PRODUCTION

Approximately 14,187 million pounds of milk were produced commercially in California during 1981. Of this amount, 13,667 million pounds were received as market grade milk and 520 million pounds were received as manufacturing grade milk. Between 1980 and 1981, the total commercial production increased 5.0 percent. Production of market grade milk increased 5.1 percent while the production of manufacturing grade milk was up 0.4 percent. Market grade milk accounted for 96.3 percent of all commercial production in 1981 compared to 96.2 percent in 1980 and 89.8 percent ten years earlier (1971).

The average milk-fat content of all milk received at plants from producers in California during 1981, was 3.59 percent. That received as market milk contained an average of 3.59 percent milk fat while that received as manufacturing grade milk contained an average of 3.68 percent milk fat.

The commercial production of all milk fat in California during 1981 amounted to approximately 510 million pounds, 4.6 percent more than was produced during 1980. Market milk fat amounted to 96.2 percent of production in 1981 compared to 96.1 percent in 1980. Between 1980 and 1981, the production of market milk fat rose 4.8 percent, while that of manufacturing milk fat increased 0.5 percent.

The San Joaquin Valley accounted for 55.2 percent of all milk produced commercially in the State during 1981. It accounted for 54.7 percent of the market milk and 66.9 percent of the manufacturing milk. Approximately 31.6 percent of all milk and 32.8 percent of the market milk was produced in Southern California. The five leading counties in market milk production in the order of their importance during 1981 were: San Bernardino, Tulare, Riverside, Stanislaus, and Merced. These five counties accounted for 62.2 percent of the State's total production of market milk. The five leading counties in manufacturing milk production were: Stanislaus, Merced, Humboldt, Glenn, and San Joaquin. These counties accounted for 82.2 percent of the State's total of manufacturing milk production. The five leading counties in total milk production were: San Bernardino, Tulare, Stanislaus, Riverside, and Merced. They accounted for 62.0 percent of the State's total production during 1981.

TABLE 5. COMMERCIAL PRODUCTION OF MILK FAT, AVERAGE MILK-FAT TEST, AND WHOLE MILK, CALIFORNIA, 1964-1981

	Milk fat (thousand pounds)			Average milk-fat test (percent)			Whole milk (thousand pounds)		
	Market	Manufacturing	Total	Market	Manufacturing	Total	Market	Manufacturing	Total
1964	267,607	37,292	304,899	3.62	3.78	3.64	7,393,886	985,389	8,379,275
1965	268,332	36,537	304,869	3.64	3.76	3.66	7,367,524	971,570	8,339,094
1966	274,577	32,697	307,274	3.62	3.78	3.63	7,591,503	865,655	8,457,158
1967	277,547	33,115	310,662	3.61	3.78	3.63	7,685,955	876,187	8,562,142
1968	287,023	30,715	317,738	3.59	3.77	3.60	8,002,052	815,387	8,817,439
1969	287,435	30,081	317,516	3.61	3.76	3.62	7,970,766	799,438	8,770,204
1970	303,336	32,395	335,731	3.58	3.74	3.59	8,481,432	865,027	9,346,459
1971	309,103	36,549	345,652	3.59	3.73	3.60	8,614,289	979,836	9,594,125
1972	327,371	41,940	369,311	3.57	3.69	3.59	9,163,369	1,136,171	10,299,540
1973	335,933	32,646	368,579	3.59	3.71	3.60	9,354,250	879,237	10,233,487
1974	351,133	26,748	377,881	3.59	3.69	3.60	9,776,188	724,765	10,500,953
1975	364,795	25,960	390,755	3.63	3.73	3.63	10,060,384	695,507	10,755,891
1976	390,950	22,562	413,512	3.59	3.75	3.60	10,886,279	602,087	11,488,366
1977	405,943	18,958	424,901	3.57	3.71	3.57	11,377,410	510,659	11,888,069
1978	408,311	16,816	425,127	3.60	3.76	3.61	11,329,087	447,648	11,776,735
1979	426,183	16,881	443,064	3.54	3.67	3.55	12,029,199	459,453	12,488,652
1980	468,324	19,050	487,374	3.60	3.68	3.60	12,998,001	517,997	13,515,998
1981	490,629	19,147	509,776	3.59	3.68	3.59	13,666,750	519,852	14,186,602
1978									
January	35,618	1,296	36,914	3.84	3.92	3.84	928,385	33,067	961,452
February	31,870	1,200	33,070	3.80	3.83	3.80	839,487	31,301	870,788
March	34,891	1,545	36,436	3.70	3.79	3.70	943,045	40,795	983,840
April	33,931	1,498	35,429	3.63	3.76	3.64	934,778	39,852	974,630
May	34,492	1,521	36,013	3.52	3.71	3.52	981,384	41,011	1,022,395
June	32,927	1,489	34,416	3.42	3.63	3.43	961,677	41,016	1,002,693
July	34,308	1,549	35,857	3.41	3.60	3.42	1,005,079	43,031	1,048,110
August	34,321	1,493	35,814	3.44	3.64	3.45	998,257	41,068	1,039,335
September	33,947	1,389	35,336	3.55	3.76	3.56	955,720	36,941	992,661
October	34,231	1,399	35,630	3.56	3.75	3.56	962,391	37,272	999,663
November	33,331	1,226	34,557	3.67	3.87	3.68	907,780	31,655	939,435
December	34,444	1,211	35,655	3.78	3.95	3.79	911,094	30,639	941,733
1979									
January	34,650	1,166	35,816	3.78	3.87	3.78	917,734	30,107	947,841
February	31,487	1,096	32,583	3.74	3.78	3.74	841,886	28,999	870,885
March	35,191	1,354	36,545	3.64	3.70	3.64	967,952	36,649	1,004,601
April	34,469	1,487	35,956	3.52	3.61	3.53	977,799	41,163	1,018,962
May	35,670	1,540	37,210	3.40	3.56	3.41	1,047,950	43,232	1,091,182
June	34,580	1,545	36,125	3.35	3.51	3.36	1,031,942	43,998	1,075,940
July	35,997	1,564	37,561	3.36	3.52	3.36	1,071,589	44,503	1,116,092
August	36,910	1,545	38,455	3.34	3.56	3.40	1,085,844	43,391	1,129,235
September	35,568	1,403	36,971	3.46	3.67	3.47	1,027,722	38,241	1,065,963
October	37,290	1,459	38,749	3.54	3.72	3.54	1,054,322	39,180	1,093,502
November	36,626	1,351	37,977	3.69	3.89	3.70	992,667	34,726	1,027,393
December	37,745	1,371	39,116	3.73	3.89	3.74	1,011,792	35,264	1,047,056
1980									
January	38,243	1,269	39,512	3.77	3.85	3.77	1,014,994	32,966	1,047,960
February	36,327	1,296	37,623	3.78	3.79	3.78	960,850	34,235	995,085
March	38,785	1,640	40,425	3.71	3.72	3.71	1,046,680	44,080	1,090,760
April	38,095	1,688	39,783	3.57	3.61	3.57	1,068,761	46,808	1,115,569
May	39,745	1,751	41,496	3.49	3.55	3.49	1,139,069	49,289	1,188,358
June	38,705	1,725	40,430	3.46	3.54	3.47	1,117,692	48,690	1,166,382
July	39,770	1,793	41,563	3.46	3.54	3.46	1,150,354	50,667	1,201,021
August	39,893	1,740	41,633	3.46	3.57	3.47	1,152,392	48,749	1,201,141
September	39,389	1,626	41,015	3.55	3.68	3.55	1,109,830	44,114	1,153,944
October	40,256	1,641	41,897	3.62	3.75	3.62	1,113,181	43,738	1,156,919
November	38,918	1,471	40,389	3.70	3.82	3.70	1,052,867	38,479	1,091,346
December	40,198	1,410	41,608	3.75	3.90	3.76	1,071,331	36,182	1,107,513
1981									
January	40,742	1,289	42,031	3.73	3.82	3.73	1,092,700	33,747	1,126,447
February	37,170	1,265	38,435	3.70	3.75	3.70	1,003,935	33,701	1,037,636
March	41,807	1,618	43,425	3.67	3.73	3.67	1,139,926	43,358	1,183,284
April	40,509	1,702	42,211	3.57	3.67	3.58	1,133,361	46,336	1,179,697
May	41,158	1,766	42,924	3.47	3.56	3.47	1,187,496	49,600	1,237,096
June	39,331	1,694	41,025	3.43	3.50	3.43	1,148,086	48,359	1,196,445
July	41,233	1,729	42,962	3.42	3.51	3.42	1,206,767	49,196	1,255,963
August	41,527	1,728	43,255	3.48	3.58	3.48	1,192,975	48,235	1,241,210
September	40,474	1,584	42,058	3.53	3.66	3.54	1,146,299	43,242	1,189,541
October	42,756	1,602	44,358	3.65	3.79	3.65	1,171,405	42,254	1,213,659
November	41,121	1,624	42,745	3.71	3.85	3.71	1,108,614	42,186	1,150,800
December	42,801	1,546	44,347	3.77	3.90	3.77	1,135,186	39,638	1,174,824

TABLE 6. COMMERCIAL PRODUCTION OF MILK AND MILK FAT, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1981

	Milk (thousand pounds)			Milk Fat (thousand pounds)			Milk Fat (percent) 1/		
County and District	Market	Manufacturing	Total	Market	Manufacturing	Total	Market	Manufacturing	Total
Del Norte	10,199	12,756	22,955	389	531	920	3.81	4.16	4.01
Humboldt	130,368	60,722	191,090	5,174	2,666	7,840	3.97	4.39	4.10
Mendocino	10,433	25	10,458	445	1	446	4.26	4.10	4.26
North Coast	151,000	73,503	224,503	6,008	3,198	9,206	3.98	4.35	4.10
Shasta	16,362	7	16,369	584	---	584	3.57	3.74	3.57
Siskiyou	32,851	12	32,863	1,228	1	1,229	3.74	3.67	3.74
Trinity	---	---	---	---	---	---	---	---	---
North Central	49,213	19	49,232	1,812	1	1,813	3.68	3.70	3.68
Lassen	2,473	---	2,473	92	---	92	3.71	---	3.71
Modoc	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---
North East	2,473	---	2,473	92	---	92	3.71	---	3.71
Alameda	---	---	---	---	---	---	---	---	---
Contra Costa	39,995	247	40,242	1,416	8	1,424	3.54	3.28	3.54
Lake	---	---	---	---	---	---	---	---	---
Marin	210,777	2,393	213,170	7,540	83	7,623	3.58	3.49	3.58
Monterey	65,402	73	65,475	2,373	3	2,376	3.63	3.57	3.63
Napa	25,332	40	25,372	910	2	912	3.59	4.07	3.59
San Benito	19,307	206	19,513	701	7	708	3.63	3.31	3.63
San Francisco	---	---	---	---	---	---	---	---	---
San Luis Obispo	33,822	---	33,822	1,204	---	1,204	3.56	---	3.56
San Mateo	---	---	---	---	---	---	---	---	---
Santa Clara	71,299	393	71,692	2,481	14	2,495	3.48	3.54	3.48
Santa Cruz	6,057	2,877	8,934	227	100	327	3.75	3.48	3.66
Sonoma	475,368	7,735	483,103	17,304	284	17,588	3.64	3.68	3.64
Central Coast	947,359	13,964	961,323	34,156	501	34,657	3.60	3.59	3.60
Butte	21,718	3,480	25,198	792	126	918	3.65	3.63	3.65
Colusa	6,618	276	6,894	238	11	249	3.59	3.96	3.61
Glenn	163,808	43,096	206,904	6,105	1,616	7,721	3.73	3.75	3.73
Sacramento	264,749	20,737	285,486	9,741	759	10,500	3.68	3.66	3.68
Solano	12,302	189	12,491	441	7	448	3.58	3.61	3.58
Sutter	16,501	2,362	18,863	585	89	674	3.55	3.75	3.57
Tehama	32,301	6,216	38,517	1,215	234	1,449	3.76	3.77	3.76
Yolo	6,760	20	6,780	241	1	242	3.57	3.60	3.57
Yuba	20,139	1,471	21,610	802	54	856	3.98	3.68	3.96
Sacramento Valley	544,896	77,847	622,743	20,160	2,897	23,057	3.70	3.72	3.70
Fresno	780,177	3,097	783,274	28,226	110	28,336	3.62	3.55	3.62
Kern	276,329	706	277,035	10,007	25	10,032	3.62	3.59	3.62
Kings	787,508	2,264	789,772	28,312	81	28,393	3.60	3.56	3.60
Madera	245,840	2,879	248,719	8,775	104	8,879	3.57	3.63	3.57
Merced	1,283,442	104,704	1,388,146	46,844	3,720	50,564	3.65	3.55	3.64
San Joaquin	913,056	39,721	952,777	33,034	1,420	34,454	3.62	3.58	3.62
Stanislaus	1,344,621	179,114	1,523,735	48,704	6,310	55,014	3.62	3.52	3.61
Tulare	1,850,225	15,333	1,865,558	66,636	549	67,185	3.60	3.58	3.60
San Joaquin Valley	7,481,198	347,818	7,829,016	270,538	12,319	282,857	3.62	3.54	3.61
Alpine	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---
El Dorado	1,008	---	1,008	36	---	36	3.59	---	3.59
Inyo	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---
Placer	11,461	52	11,513	408	2	410	3.55	3.38	3.55
Sierra	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---
Sierra Mountain	12,469	52	12,521	444	2	446	3.56	3.38	3.56
Imperial	6,323	---	6,323	242	---	242	3.83	---	3.83
Los Angeles	72,492	445	72,937	2,760	16	2,776	3.81	3.50	3.80
Orange	52	---	52	2	---	2	3.40	---	3.40
Riverside	1,396,339	1,861	1,398,200	49,127	64	49,191	3.52	3.46	3.52
San Bernardino	2,626,154	2,049	2,628,203	92,171	70	92,241	3.51	3.43	3.51
San Diego	259,731	607	260,338	9,032	21	9,053	3.48	3.49	3.48
Santa Barbara	69,348	15	69,363	2,509	1	2,510	3.62	3.85	3.62
Ventura	47,705	1,673	49,378	1,579	58	1,637	3.31	3.50	3.32
So. California	4,478,144	6,650	4,484,794	157,422	230	157,652	3.52	3.47	3.52
STATE	13,666,752	519,853	14,186,605	490,632	19,148	509,780	3.59	3.68	3.59

1/ Computed from data before rounding to thousands of pounds.

TABLE 7. COMMERCIAL PRODUCTION OF ALL MILK, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1981 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	1,245,444	1,181,839	1,557,585	1,834,553	2,162,318	2,234,759	2,387,313	2,324,173	2,122,739	2,039,378	1,912,654	1,952,189
Humboldt	9,564,083	9,076,339	14,645,259	18,813,613	21,584,356	20,838,909	20,649,162	18,839,382	16,475,456	15,400,937	13,598,453	11,603,900
Mendocino	817,770	751,638	934,530	952,653	1,000,399	969,584	928,157	935,846	844,448	850,135	769,523	703,636
North Coast	11,627,297	11,009,816	17,137,374	21,600,819	24,747,073	24,043,252	23,964,632	22,099,401	19,442,643	18,290,450	16,280,630	14,259,725
Shasta	1,376,936	1,210,490	1,372,358	1,391,448	1,444,482	1,354,967	1,406,336	1,362,192	1,351,323	1,378,310	1,355,758	1,364,965
Siskiyou	2,625,496	2,456,980	2,887,399	2,707,416	2,865,601	2,777,627	3,017,799	2,988,891	2,853,016	2,641,891	2,492,365	2,549,150
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	4,002,432	3,667,470	4,259,757	4,098,864	4,310,083	4,132,594	4,424,135	4,351,083	4,204,339	4,020,201	3,848,123	3,914,115
Lassen	204,107	186,684	210,179	211,182	225,009	192,364	214,783	218,390	211,257	197,358	206,843	195,182
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	204,107	186,684	210,179	211,182	225,009	192,364	214,783	218,390	211,257	197,358	206,843	195,182
Alameda	---	---	---	---	---	---	---	---	---	---	---	---
Contra Costa	2,930,464	2,710,199	3,165,877	3,165,682	3,391,037	3,463,993	3,598,056	3,573,219	3,507,865	3,632,771	3,499,002	3,604,193
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	17,699,991	16,453,862	18,336,751	17,688,435	18,518,688	17,609,448	18,231,630	18,193,096	17,477,304	17,871,511	17,224,625	17,864,786
Monterey	4,944,314	4,484,200	5,215,396	5,122,802	6,420,141	6,422,793	5,889,222	5,791,237	5,456,254	5,438,334	5,133,326	5,157,281
Napa	2,340,229	2,052,828	2,108,076	2,077,918	2,150,121	2,028,507	2,215,920	2,219,920	2,067,753	2,083,717	2,004,334	2,022,951
San Benito	1,494,057	1,394,160	1,608,667	1,622,369	1,709,226	1,780,922	1,699,735	1,655,598	1,627,706	1,698,020	1,647,861	1,574,644
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	2,813,999	2,607,855	2,811,325	2,183,807	3,129,719	2,254,237	3,187,778	3,223,195	3,068,601	2,933,836	2,763,547	2,843,895
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	5,440,200	5,137,006	5,911,145	5,971,241	6,363,008	5,986,669	6,310,689	6,284,605	6,078,986	6,275,159	6,072,960	5,860,588
Santa Cruz	716,177	657,141	759,064	760,423	743,678	691,014	723,100	766,746	764,472	774,470	788,168	788,686
Sonoma	39,419,520	36,051,825	40,668,227	42,527,001	42,183,810	40,624,934	42,273,559	41,455,848	39,514,775	40,617,372	38,803,969	38,961,942
Central Coast	77,798,951	71,549,076	80,584,528	81,119,678	84,609,428	80,862,517	84,129,689	83,163,464	79,563,716	81,325,190	77,937,792	78,678,966
Butte	2,105,431	1,714,094	2,032,835	2,108,075	2,173,564	2,030,229	2,195,026	2,226,873	2,134,390	2,208,128	2,115,272	2,154,199
Colusa	629,027	515,731	573,223	602,184	620,752	566,492	614,171	583,331	548,351	555,403	537,709	547,532
Glenn	15,724,860	14,592,175	17,234,310	17,642,015	18,780,511	18,320,510	19,134,135	18,635,011	17,430,781	17,223,835	16,004,035	16,182,286
Sacramento	22,364,654	20,725,384	23,809,331	23,767,313	25,076,695	24,558,200	25,854,966	25,668,058	24,378,626	24,453,508	22,230,336	22,599,577
Solano	1,184,804	1,081,983	915,271	939,475	991,093	966,992	1,055,332	1,050,719	981,358	1,053,924	1,069,188	1,201,625
Sutter	1,560,672	1,583,652	1,887,723	1,919,771	2,018,648	1,665,004	1,508,341	1,463,382	1,364,598	1,363,530	1,269,809	1,257,129
Tehama	2,680,463	2,773,047	3,369,397	3,451,955	3,362,734	3,220,882	3,649,095	3,600,025	3,329,624	3,236,719	2,929,321	2,914,024
Yolo	570,347	537,432	580,408	571,754	584,529	548,320	574,580	548,475	520,054	571,273	576,375	596,305
Yuba	1,636,786	1,561,506	1,806,717	1,821,269	1,863,610	1,823,887	1,970,321	1,982,111	1,866,475	1,836,333	1,709,172	1,730,879
Sacramento Valley	48,457,044	45,085,004	52,209,215	52,823,811	55,472,136	53,700,516	56,555,967	55,757,985	52,554,257	52,502,653	48,441,217	49,183,556

TABLE 7. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	61,091,905	56,062,281	64,217,349	65,674,253	68,249,195	66,725,608	70,307,288	69,082,730	66,325,789	67,343,964	63,499,092	64,694,662
Kern	24,203,965	22,570,770	25,492,781	24,142,780	22,536,961	21,996,411	22,960,046	22,712,024	22,044,077	22,601,804	22,376,541	23,396,633
Kings	61,605,521	57,127,630	65,745,022	64,806,904	68,192,834	66,346,679	69,936,798	69,028,039	66,929,369	68,881,971	65,057,850	66,112,879
Madera	20,318,399	18,725,761	21,300,042	20,577,632	21,252,031	20,863,859	22,268,412	21,732,907	20,711,978	21,005,162	19,857,364	20,105,186
Merced	106,476,270	99,610,748	111,099,153	113,021,148	119,457,636	116,804,220	124,108,155	125,028,757	119,558,865	122,016,983	114,500,093	116,464,752
San Joaquin	75,369,357	69,459,320	78,855,940	77,657,354	84,328,909	80,721,588	85,603,045	84,903,037	80,784,586	80,985,654	76,142,186	77,966,043
Stanislaus	117,716,550	108,920,724	125,195,064	122,117,392	131,552,544	130,070,711	136,342,930	136,621,370	129,727,530	131,483,136	125,535,692	128,450,657
Tulare	148,479,218	136,567,446	156,104,833	155,372,892	162,651,915	157,300,190	164,829,919	162,780,227	156,495,961	159,949,974	151,029,114	153,996,190
San Joaquin Valley	615,261,185	569,044,680	648,010,184	643,370,355	678,222,025	660,829,266	696,356,593	691,889,091	662,578,155	674,268,648	637,997,932	651,187,002
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	87,794	80,108	90,055	86,039	92,937	88,734	91,794	89,333	81,713	76,714	70,382	72,135
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	783,606	841,879	974,278	984,087	1,016,955	989,374	1,066,183	1,040,353	1,016,139	989,332	907,354	903,545
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	871,400	921,987	1,064,333	1,070,126	1,109,892	1,078,108	1,157,977	1,129,686	1,097,852	1,066,046	977,736	975,680
Imperial	537,332	491,274	642,842	651,942	663,756	635,841	503,723	455,878	365,303	400,881	429,698	544,952
Los Angeles	8,776,072	8,093,906	8,754,313	8,585,528	8,473,662	8,110,818	4,214,599	4,060,859	3,554,209	3,493,689	3,321,152	3,498,630
Orange	52,060	---	---	---	---	---	---	---	---	---	---	---
Riverside	111,733,882	103,637,838	118,235,086	117,149,370	121,891,963	117,553,367	122,167,549	120,365,468	116,000,134	119,113,165	112,893,804	117,450,987
San Bernardino	217,346,127	196,107,414	219,655,635	218,724,208	224,848,294	215,836,145	229,958,880	225,941,189	217,719,571	224,875,256	215,753,024	221,436,944
San Diego	19,611,412	18,685,342	22,230,975	21,615,970	21,927,451	21,066,056	21,874,262	21,492,914	22,097,299	23,700,656	22,662,896	23,372,503
Santa Barbara	6,089,041	5,462,745	6,082,152	4,579,119	6,481,146	4,556,335	6,352,399	6,171,764	5,931,062	5,951,393	5,691,680	6,013,763
Ventura	4,079,019	3,693,233	4,208,247	4,096,855	4,114,934	3,847,803	4,087,852	4,112,789	4,213,254	4,453,441	4,357,656	4,112,502
Southern California	368,224,945	336,171,752	379,809,250	375,402,992	388,401,206	371,606,365	389,159,264	382,600,861	369,888,832	381,988,481	365,109,910	376,430,281
STATE	1,126,447,361	1,037,636,469	1,183,284,820	1,179,697,827	1,237,096,852	1,196,444,982	1,255,963,040	1,241,209,961	1,189,541,051	1,213,659,027	1,150,800,183	1,174,824,507

TABLE 8. COMMERCIAL PRODUCTION OF MARKET MILK, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1981 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	686,216	640,897	741,921	792,223	939,331	984,229	1,024,023	973,351	892,832	882,024	794,409	847,211
Humboldt	7,587,085	7,306,982	10,184,935	12,188,341	13,847,349	13,449,456	13,394,796	12,410,025	11,070,151	10,614,389	9,551,135	8,763,694
Mendocino	792,841	751,638	934,530	952,653	1,000,399	969,584	928,157	935,846	844,448	850,135	769,523	703,636
North Coast	9,066,142	8,699,517	11,861,386	13,933,217	15,787,079	15,403,269	15,346,976	14,319,222	12,807,431	12,346,548	11,115,067	10,314,541
Shasta	1,376,936	1,210,490	1,364,728	1,391,448	1,444,482	1,354,967	1,406,336	1,362,192	1,351,323	1,378,310	1,355,758	1,364,965
Siskiyou	2,625,496	2,450,608	2,887,399	2,707,416	2,865,601	2,777,627	3,017,799	2,988,891	2,853,016	2,641,891	2,492,365	2,543,475
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	4,002,432	3,661,098	4,252,127	4,098,864	4,310,083	4,132,594	4,424,135	4,351,083	4,204,339	4,020,201	3,848,123	3,908,440
Lassen	204,107	186,684	210,179	211,182	225,009	192,364	214,783	218,390	211,257	197,358	206,843	195,182
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	204,107	186,684	210,179	211,182	225,009	192,364	214,783	218,390	211,257	197,358	206,843	195,182
Alameda	---	---	---	---	---	---	---	---	---	---	---	---
Contra Costa	2,930,464	2,710,199	3,165,877	3,165,682	3,391,037	3,357,754	3,457,253	3,573,219	3,507,865	3,632,771	3,499,002	3,604,193
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	17,517,237	16,288,533	18,000,711	17,456,425	18,331,142	17,404,350	18,032,899	17,985,386	17,296,930	17,694,152	17,059,596	17,709,992
Monterey	4,934,989	4,484,200	5,215,396	5,112,682	6,420,141	6,422,793	5,865,632	5,766,358	5,456,254	5,438,334	5,127,734	5,157,281
Napa	2,329,351	2,044,925	2,100,742	2,070,501	2,143,598	2,028,507	2,215,920	2,219,920	2,067,753	2,083,717	2,004,334	2,022,951
San Benito	1,494,057	1,394,160	1,608,667	1,622,369	1,709,226	1,612,315	1,691,010	1,655,598	1,627,706	1,698,020	1,644,256	1,549,702
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	2,813,999	2,607,855	2,811,325	2,183,807	3,129,719	2,254,237	3,187,778	3,223,195	3,068,601	2,933,836	2,763,547	2,843,895
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	5,440,200	5,137,006	5,911,145	5,965,085	6,363,008	5,986,669	6,310,689	6,284,605	6,073,473	6,262,931	6,072,960	5,490,946
Santa Cruz	454,924	434,022	518,271	503,431	475,887	452,922	491,879	531,597	543,136	547,462	553,024	549,988
Sonoma	39,391,969	35,697,785	40,026,591	41,990,092	41,308,564	39,880,773	41,527,115	40,594,981	38,742,679	40,068,997	37,947,850	38,190,348
Central Coast	77,307,190	70,798,685	79,358,725	80,070,074	83,272,322	79,400,320	82,780,175	81,834,859	78,384,397	80,360,220	76,672,303	77,119,296
Butte	1,922,510	1,526,876	1,788,020	1,825,437	1,812,480	1,697,804	1,810,607	1,876,809	1,819,011	1,912,314	1,842,243	1,883,661
Colusa	555,547	506,324	560,922	587,983	601,760	548,719	589,367	560,978	528,181	528,101	520,092	530,401
Glenn	13,182,068	11,908,321	13,561,213	12,988,669	14,443,507	14,328,925	14,836,673	14,548,892	13,973,711	13,875,042	12,961,241	13,199,877
Sacramento	21,164,938	19,471,692	21,978,063	21,822,680	23,018,012	22,673,263	23,785,444	23,667,592	22,452,261	22,744,122	20,757,023	21,214,190
Solano	1,158,928	1,075,433	824,296	939,475	991,093	966,992	1,028,387	1,034,590	981,358	1,053,924	1,046,362	1,201,825
Sutter	1,408,222	1,341,970	1,644,996	1,684,216	1,781,079	1,437,161	1,317,292	1,275,732	1,172,207	1,214,044	1,098,702	1,125,180
Tehama	2,274,046	2,358,497	2,832,466	2,871,191	2,911,783	2,747,846	3,030,974	3,056,677	2,834,564	2,710,012	2,214,347	2,458,763
Yolo	570,347	537,432	580,408	571,754	584,529	548,320	574,580	534,582	516,854	568,174	576,375	596,305
Yuba	1,497,162	1,428,144	1,641,683	1,630,737	1,725,649	1,713,177	1,842,744	1,874,080	1,768,998	1,744,091	1,624,035	1,648,089
Sacramento Valley	43,733,768	40,154,689	45,412,067	44,922,142	47,869,892	46,662,207	48,816,068	48,429,932	46,047,145	46,349,824	42,640,420	43,858,091

TABLE 8. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	60,903,310	55,754,415	63,976,745	65,269,312	67,743,887	66,507,874	70,058,706	68,891,071	66,066,980	67,157,526	63,332,558	64,514,925
Kern	23,991,025	22,317,849	25,483,428	24,112,280	22,490,670	21,972,590	22,960,046	22,712,024	22,044,077	22,471,244	22,376,541	23,396,633
Kings	61,568,479	57,024,108	65,532,570	64,383,929	67,898,117	65,989,287	69,805,464	68,978,089	66,615,200	68,790,631	64,875,938	66,045,684
Madera	20,158,831	18,400,682	20,708,527	20,427,957	21,113,996	20,535,926	22,036,359	21,549,555	20,506,756	20,867,010	19,660,367	19,874,164
Merced	98,996,394	92,476,278	102,854,216	104,629,822	110,433,802	107,676,834	114,760,816	115,405,989	110,722,621	112,721,234	105,353,050	107,411,351
San Joaquin	72,157,769	66,247,999	75,249,423	74,273,593	80,516,366	77,330,010	82,128,799	81,468,044	77,783,191	77,943,795	72,939,341	75,017,575
Stanislaus	104,200,691	96,250,008	110,276,153	107,658,427	116,093,443	114,590,228	120,495,164	120,647,942	114,553,633	116,423,314	110,439,677	112,991,904
Tulare	147,363,266	135,168,642	154,027,968	153,645,809	160,610,649	155,435,764	163,464,635	161,621,012	156,063,523	159,453,762	149,720,866	153,649,455
San Joaquin Valley	589,339,765	543,639,981	618,109,030	614,401,129	646,900,930	630,038,513	665,709,989	661,273,726	634,355,981	645,828,516	608,698,338	622,901,691
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	87,794	80,108	90,055	86,039	92,937	88,734	91,794	89,333	81,713	76,714	70,382	72,135
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	783,606	841,879	974,278	984,087	1,016,955	989,374	1,066,183	1,040,353	963,822	989,332	907,354	903,545
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	871,400	921,987	1,064,333	1,070,126	1,109,892	1,078,108	1,157,977	1,129,686	1,045,535	1,066,046	977,736	975,680
Imperial	537,332	491,274	642,842	651,942	663,756	635,841	503,723	455,878	365,303	400,881	429,698	544,952
Los Angeles	8,776,072	8,093,906	8,754,313	8,585,528	8,473,662	8,110,818	4,033,685	3,884,373	3,554,209	3,493,689	3,321,152	3,411,258
Orange	52,060	---	---	---	---	---	---	---	---	---	---	---
Riverside	111,704,884	103,515,884	118,162,150	116,725,371	121,847,445	117,290,948	122,078,438	119,845,107	115,950,062	118,968,231	112,847,087	117,403,648
San Bernardino	217,325,094	195,993,021	219,578,031	218,478,552	224,567,279	215,683,859	229,792,640	225,713,543	217,476,035	224,699,367	215,598,657	221,247,622
San Diego	19,611,412	18,622,567	22,230,975	21,537,346	21,873,011	21,052,935	21,753,471	21,485,634	22,097,299	23,700,656	22,551,162	23,214,139
Santa Barbara	6,089,041	5,462,745	6,082,152	4,579,119	6,481,146	4,556,335	6,352,399	6,171,764	5,931,062	5,951,393	5,691,680	5,999,075
Ventura	4,079,019	3,693,233	4,208,247	4,096,855	4,114,934	3,847,803	3,802,538	3,862,132	3,868,968	4,022,413	4,016,285	4,092,388
Southern California	368,174,914	335,872,630	379,658,710	374,654,713	388,021,233	371,178,539	388,316,894	381,418,431	369,242,938	381,236,630	364,455,721	375,913,082
STATE	1,092,699,718	1,003,935,271	1,139,926,557	1,133,361,447	1,187,496,440	1,148,085,914	1,206,766,997	1,192,975,329	1,146,299,023	1,171,405,343	1,108,614,551	1,135,186,003

3—76009

TABLE 9. COMMERCIAL PRODUCTION OF MANUFACTURING MILK, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1981 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	559,228	540,942	815,664	1,042,330	1,222,987	1,250,530	1,363,290	1,350,822	1,229,907	1,157,354	1,118,245	1,104,978
Humboldt	1,976,998	1,769,357	4,460,324	6,625,272	7,737,007	7,389,453	7,254,366	6,429,357	5,405,305	4,786,548	4,047,318	2,840,206
Mendocino	24,929	---	---	---	---	---	---	---	---	---	---	---
North Coast	2,561,155	2,310,299	5,275,988	7,667,602	8,959,994	8,639,983	8,617,656	7,780,179	6,635,212	5,943,902	5,165,563	3,945,184
Shasta	---	---	7,630	---	---	---	---	---	---	---	---	---
Siskiyou	---	6,372	---	---	---	---	---	---	---	---	---	5,675
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	---	6,372	7,630	---	---	---	---	---	---	---	---	5,675
Lassen	---	---	---	---	---	---	---	---	---	---	---	---
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	---	---	---	---	---	---	---	---	---	---	---	---
Alameda	---	---	---	---	---	---	---	---	---	---	---	---
Contra Costa	---	---	---	---	---	106,239	140,803	---	---	---	---	---
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	182,754	165,329	336,040	232,010	187,546	205,098	198,731	207,710	180,374	177,359	165,029	154,794
Monterey	9,325	---	---	10,120	---	---	23,590	24,879	---	---	5,592	---
Napa	10,878	7,903	7,334	7,417	6,523	---	---	---	---	---	---	---
San Benito	---	---	---	---	---	168,607	8,725	---	---	---	3,605	24,942
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	---	---	---	---	---	---	---	---	---	---	---	---
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	---	---	---	6,156	---	---	---	---	5,513	12,228	---	369,642
Santa Cruz	261,253	223,119	240,793	256,992	267,791	238,092	231,221	235,149	221,336	227,008	235,144	238,698
Sonoma	27,551	354,040	641,636	536,909	875,246	744,161	746,444	860,867	772,096	548,375	856,119	771,594
Central Coast	491,761	750,391	1,225,803	1,049,604	1,337,106	1,462,197	1,349,514	1,328,605	1,179,319	964,970	1,265,489	1,559,670
Butte	182,921	187,218	244,815	282,638	361,084	332,425	384,419	350,064	315,379	295,814	273,029	270,538
Colusa	73,480	9,407	12,301	14,201	18,992	17,773	24,804	22,353	20,170	27,302	17,617	17,131
Glenn	2,542,792	2,683,854	3,673,097	4,653,346	4,337,004	3,991,585	4,297,462	4,086,119	3,457,070	3,348,793	3,042,794	2,982,409
Sacramento	1,199,716	1,253,692	1,831,268	1,944,633	2,058,683	1,884,937	2,069,522	2,000,466	1,926,365	1,709,386	1,473,313	1,385,387
Solano	25,876	6,550	90,975	---	---	---	26,945	16,129	---	---	22,826	---
Sutter	152,450	241,682	242,727	235,555	237,569	227,843	191,049	187,650	192,391	149,486	171,107	131,949
Tehama	406,417	414,550	536,931	580,764	450,951	473,036	618,121	543,348	495,060	526,707	714,974	455,261
Yolo	---	---	---	---	---	---	---	13,893	3,200	3,099	---	---
Yuba	139,624	133,362	165,034	190,532	137,961	110,710	127,577	108,031	97,477	92,242	85,137	82,790
Sacramento Valley	4,723,276	4,930,315	6,797,148	7,901,669	7,602,244	7,038,309	7,739,899	7,328,053	6,507,112	6,152,829	5,800,797	5,325,465

TABLE 9. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	188,595	307,866	240,604	404,941	505,308	217,734	248,582	191,659	258,809	186,438	166,534	179,737
Kern	212,940	252,921	9,353	30,500	46,291	23,821	---	---	---	130,560	---	---
Kings	37,042	103,522	212,452	422,975	294,717	357,392	131,334	49,950	314,169	91,340	181,912	67,195
Madera	159,568	325,079	591,515	149,675	138,035	327,933	232,053	183,352	205,222	138,152	196,997	231,022
Merced	7,479,876	7,134,470	8,244,937	8,391,326	9,023,834	9,127,386	9,347,339	9,622,768	8,836,244	9,295,749	9,147,043	9,053,401
San Joaquin	3,211,538	3,211,321	3,606,517	3,383,761	3,812,543	3,391,578	3,474,246	3,434,993	3,001,395	3,041,859	3,202,845	2,948,468
Stanislaus	13,515,859	12,670,716	14,918,911	14,458,965	15,459,101	15,480,483	15,847,766	15,973,428	15,173,897	15,059,822	15,096,015	15,458,753
Tulare	1,115,952	1,398,804	2,076,865	1,727,083	2,041,266	1,864,426	1,365,284	1,159,215	432,438	496,212	1,308,248	346,735
San Joaquin Valley	25,921,420	25,404,699	29,901,154	28,969,226	31,321,095	30,790,753	30,646,604	30,615,365	28,222,174	28,440,132	29,299,594	28,285,311
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	---	---	---	---	---	---	---	---	---	---	---	---
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	52,317	---	---	---
Placer	---	---	---	---	---	---	---	---	---	---	---	---
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	---	---	---	---	---	---	---	---	52,317	---	---	---
Imperial	---	---	---	---	---	---	---	---	---	---	---	---
Los Angeles	---	---	---	---	---	---	180,914	176,486	---	---	---	87,372
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	28,998	121,954	72,936	423,999	44,518	262,419	89,111	520,361	58,072	144,934	46,717	47,339
San Bernardino	21,033	114,393	77,604	245,656	281,015	152,286	166,240	227,646	243,536	175,889	154,367	189,322
San Diego	---	62,775	---	78,624	54,440	13,121	120,791	7,280	---	---	111,734	158,364
Santa Barbara	---	---	---	---	---	---	---	---	---	---	---	14,688
Ventura	---	---	---	---	---	---	285,314	250,657	344,286	431,028	341,371	20,114
Southern California	50,031	299,122	150,540	748,279	379,973	427,826	842,370	1,182,430	645,894	751,851	654,189	517,199
STATE	33,747,643	33,701,198	43,358,263	46,336,380	49,600,412	48,359,068	49,196,043	48,234,632	43,242,028	42,253,684	42,185,632	39,638,504

TABLE 10. COMMERCIAL PRODUCTION OF ALL MILK FAT, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1981 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	51,118	46,980	61,505	72,706	84,780	87,189	92,647	91,990	85,822	84,300	79,756	80,819
Humboldt	406,132	371,802	588,743	736,940	846,063	822,599	822,039	770,659	692,640	671,689	600,304	510,474
Mendocino	35,233	31,803	39,070	39,221	41,303	40,345	38,767	39,820	36,940	37,836	34,607	30,900
North Coast	492,483	450,585	689,318	848,867	972,146	950,133	953,453	902,469	815,402	793,825	714,667	622,193
Shasta	51,880	42,951	49,693	49,508	51,003	46,503	47,626	46,563	44,786	50,224	51,289	52,310
Siskiyou	102,111	93,170	108,988	99,835	102,728	99,826	109,499	105,539	104,481	103,427	98,829	100,238
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	153,991	136,121	158,681	149,343	153,731	146,329	157,125	152,102	149,267	153,651	150,118	152,548
Lassen	7,779	7,025	7,983	7,896	8,191	6,825	7,656	7,771	7,693	7,380	7,914	7,649
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	7,779	7,025	7,983	7,896	8,191	6,825	7,656	7,771	7,693	7,380	7,914	7,649
Alameda	---	---	---	---	---	---	---	---	---	---	---	---
Contra Costa	107,074	98,360	112,743	110,542	115,527	113,881	121,180	125,331	123,119	130,465	129,159	136,368
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	654,062	566,025	655,971	609,714	631,324	607,002	642,497	654,795	639,735	661,760	637,235	663,361
Monterey	186,750	169,696	192,932	181,620	221,720	222,764	207,127	206,529	197,580	199,644	191,408	197,682
Napa	87,602	75,443	76,989	72,400	72,870	67,897	74,293	76,134	73,348	77,562	77,262	79,692
San Benito	58,104	53,208	60,270	58,087	60,002	60,648	58,590	57,308	57,795	62,813	61,869	59,641
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	105,155	97,082	101,995	75,449	106,840	74,769	106,969	112,025	107,437	107,172	102,403	107,083
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	204,486	190,319	211,101	209,184	214,475	200,391	207,581	208,846	204,539	219,290	212,054	212,498
Santa Cruz	26,882	24,845	27,767	27,570	26,396	24,165	26,188	28,336	28,252	28,790	28,968	29,038
Sonoma	1,483,452	1,326,841	1,473,939	1,507,907	1,467,387	1,408,543	1,493,374	1,498,236	1,466,402	1,526,588	1,460,311	1,475,283
Central Coast	2,913,567	2,601,819	2,913,707	2,852,473	2,916,541	2,780,060	2,937,799	2,967,540	2,898,207	3,014,084	2,900,669	2,960,646
Butte	82,151	65,359	75,459	77,154	74,744	68,676	74,450	77,292	76,148	82,877	81,034	83,355
Colusa	25,033	19,271	20,916	21,252	21,271	19,076	20,704	20,042	19,111	20,217	20,402	21,501
Glenn	615,855	561,444	658,726	650,457	671,165	643,655	668,845	661,945	639,371	663,566	632,644	653,537
Sacramento	868,277	787,545	891,102	871,721	885,808	847,516	892,903	909,839	885,638	914,943	852,760	891,423
Solano	44,730	40,277	33,748	33,943	34,242	32,005	35,257	35,767	34,791	38,039	39,155	45,571
Sutter	60,714	59,153	68,231	68,793	71,193	56,276	49,810	49,155	47,063	48,165	47,087	48,218
Tehama	106,185	106,792	128,759	138,835	121,071	113,969	128,414	127,615	120,676	123,535	115,446	117,941
Yolo	20,954	19,397	20,887	20,542	20,589	18,835	20,041	19,699	18,937	20,595	20,293	21,340
Yuba	68,879	63,863	72,209	70,937	70,672	67,679	72,903	76,205	73,784	74,594	71,156	73,133
Sacramento Valley	1,892,778	1,723,101	1,970,037	1,953,634	1,970,755	1,867,687	1,963,327	1,977,559	1,915,519	1,986,531	1,879,977	1,956,019

TABLE 10. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	2,331,531	2,128,584	2,403,820	2,354,586	2,367,541	2,291,767	2,388,657	2,396,401	2,344,911	2,463,306	2,379,956	2,484,185
Kern	900,295	828,970	934,043	866,286	790,030	763,095	796,252	794,014	789,440	842,995	840,749	886,031
Kings	2,333,483	2,152,416	2,426,086	2,314,710	2,353,613	2,259,417	2,363,900	2,380,042	2,349,454	2,504,483	2,435,547	2,519,832
Madera	761,333	690,519	782,063	736,613	729,558	704,733	746,493	740,004	725,031	764,151	735,359	763,588
Merced	4,089,761	3,758,375	4,142,722	4,101,897	4,159,745	3,995,106	4,250,615	4,378,296	4,294,596	4,527,439	4,349,853	4,515,408
San Joaquin	2,877,541	2,597,265	2,906,117	2,797,186	2,925,696	2,756,611	2,918,148	2,966,024	2,884,648	2,977,628	2,857,825	2,989,947
Stanislaus	4,469,944	4,054,550	4,598,730	4,401,617	4,577,405	4,430,071	4,634,141	4,745,327	4,618,969	4,836,302	4,713,420	4,933,575
Tulare	5,609,069	5,132,264	5,748,098	5,562,930	5,616,244	5,348,789	5,601,479	5,637,301	5,513,162	5,853,456	5,666,259	5,895,790
San Joaquin Valley	23,372,957	21,342,943	23,941,679	23,135,825	23,519,832	22,549,589	23,699,685	24,037,409	23,520,211	24,769,760	23,978,968	24,988,456
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	3,269	2,973	3,249	3,252	3,232	2,951	3,182	2,989	2,924	2,740	2,585	2,787
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	29,175	30,220	35,679	35,336	34,318	33,362	35,853	35,519	35,186	35,524	34,239	34,702
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	32,444	33,193	38,928	38,588	37,550	36,313	39,035	38,508	38,110	38,264	36,824	37,489
Imperial	21,286	19,725	24,497	23,930	23,908	23,486	18,578	17,344	14,157	16,091	17,364	21,539
Los Angeles	356,075	338,165	335,696	336,390	323,410	295,935	146,378	143,127	123,601	127,928	119,436	129,188
Orange	1,770	---	---	---	---	---	---	---	---	---	---	---
Riverside	3,983,598	3,743,795	4,249,130	4,124,374	4,199,744	4,036,177	4,177,145	4,125,493	3,985,167	4,261,858	4,056,005	4,248,886
San Bernardino	7,754,673	7,045,698	7,942,016	7,691,349	7,687,698	7,334,684	7,773,062	7,798,894	7,487,023	7,988,818	7,723,720	8,013,700
San Diego	691,181	666,230	790,180	752,658	747,662	713,010	736,839	734,027	750,090	828,047	798,922	844,992
Santa Barbara	224,174	205,221	224,794	165,651	229,014	160,430	219,904	215,638	213,638	218,449	211,045	221,445
Ventura	132,924	121,772	138,330	130,505	134,350	124,638	131,623	137,242	139,789	153,342	149,975	142,921
Southern California	13,165,681	12,140,606	13,704,643	13,224,857	13,345,786	12,688,360	13,203,529	13,171,765	12,713,465	13,594,533	13,076,467	13,622,671
STATE	42,031,680	38,435,393	43,424,976	42,211,483	42,924,532	41,025,296	42,961,609	43,255,123	42,057,874	44,358,028	42,745,604	44,347,671

TABLE 11. COMMERCIAL PRODUCTION OF MARKET MILK FAT, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1981 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	27,515	24,765	28,258	29,334	33,775	35,518	36,478	36,421	34,648	35,178	32,599	34,528
Humboldt	313,635	293,888	399,354	463,826	525,393	512,707	514,473	488,346	447,093	441,734	403,141	370,339
Mendocino	34,210	31,803	39,070	39,221	41,303	40,345	38,767	39,820	36,940	37,836	34,607	30,900
North Coast	375,360	350,456	466,682	532,381	600,471	588,570	589,718	564,587	518,681	514,748	470,347	435,767
Shasta	51,880	42,951	49,408	49,508	51,003	46,503	47,626	46,563	44,786	50,224	51,289	52,310
Siskiyou	102,111	92,943	108,988	99,835	102,728	99,826	109,499	105,539	104,481	103,427	98,829	100,023
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	153,991	135,894	158,396	149,343	153,731	146,329	157,125	152,102	149,267	153,651	150,118	152,333
Lassen	7,779	7,025	7,983	7,896	8,191	6,825	7,656	7,771	7,693	7,380	7,914	7,649
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	7,779	7,025	7,983	7,896	8,191	6,825	7,656	7,771	7,693	7,380	7,914	7,649
Alameda	---	---	---	---	---	---	---	---	---	---	---	---
Contra Costa	107,074	98,360	112,743	110,542	115,527	110,376	116,588	125,331	123,119	130,465	129,159	136,368
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	647,602	560,115	644,281	601,800	625,024	600,148	635,940	647,631	633,182	655,561	631,096	657,607
Monterey	186,392	169,696	192,932	181,257	221,720	222,764	206,285	205,676	197,580	199,644	191,203	197,682
Napa	87,162	75,114	76,690	72,091	72,616	67,897	74,293	76,134	73,348	77,562	77,262	79,692
San Benito	58,104	53,208	60,270	58,087	60,002	55,223	58,293	57,308	57,795	62,813	61,737	58,679
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	105,155	97,082	101,995	75,449	106,840	74,769	106,969	112,025	107,437	107,172	102,403	107,083
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	204,486	190,319	211,101	208,969	214,475	200,391	207,581	208,846	204,347	218,856	212,054	199,426
Santa Cruz	17,354	16,762	19,614	18,661	17,138	16,226	18,389	20,081	20,231	20,924	20,938	20,825
Sonoma	1,482,433	1,313,546	1,450,395	1,487,862	1,436,081	1,382,400	1,466,978	1,467,330	1,437,746	1,505,300	1,428,212	1,445,512
Central Coast	2,895,762	2,574,202	2,870,021	2,814,718	2,869,423	2,730,194	2,891,316	2,920,362	2,854,785	2,978,297	2,854,064	2,902,874
Butte	75,147	58,283	66,579	67,226	61,829	57,075	61,262	65,032	64,689	71,680	70,556	72,873
Colusa	21,801	18,908	20,460	20,742	20,543	18,411	19,810	19,219	18,341	19,166	19,692	20,803
Glenn	514,982	457,805	517,765	470,275	514,516	504,560	516,695	516,310	511,752	533,731	512,537	534,377
Sacramento	821,384	740,050	821,637	800,450	813,698	783,110	821,666	839,478	816,581	851,260	795,419	836,053
Solano	43,724	40,027	30,346	33,943	34,242	32,005	34,397	35,259	34,791	38,039	38,339	45,571
Sutter	54,490	49,903	59,030	59,971	62,150	47,865	43,164	42,598	40,070	42,449	40,514	43,033
Tehama	90,436	91,069	108,935	118,331	104,302	96,615	106,225	107,863	102,104	102,625	86,991	99,480
Yolo	20,954	19,397	20,887	20,542	20,589	18,835	20,041	19,199	18,821	20,485	20,293	21,340
Yuba	63,315	58,839	66,261	64,287	65,470	63,764	68,422	72,410	70,232	71,092	67,879	69,916
Sacramento Valley	1,706,233	1,534,281	1,711,900	1,655,767	1,697,339	1,622,240	1,691,682	1,717,368	1,677,381	1,750,527	1,652,220	1,743,446

TABLE 11. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	2,324,387	2,116,992	2,394,911	2,340,339	2,350,621	2,284,556	2,380,476	2,389,878	2,335,739	2,456,460	2,373,742	2,477,425
Kern	892,592	819,702	933,739	865,335	788,431	762,271	796,252	794,014	789,440	838,265	840,749	886,031
Kings	2,332,100	2,148,564	2,418,069	2,299,294	2,343,368	2,247,617	2,359,517	2,378,336	2,338,287	2,501,054	2,428,831	2,517,281
Madera	755,255	678,686	759,461	731,254	724,840	693,347	738,827	733,736	717,843	759,131	728,005	754,666
Merced	3,809,963	3,493,934	3,841,852	3,802,682	3,852,900	3,691,916	3,939,223	4,049,916	3,987,181	4,192,566	4,010,722	4,170,963
San Joaquin	2,756,310	2,478,761	2,774,890	2,676,552	2,795,776	2,642,977	2,801,499	2,847,545	2,779,324	2,866,104	2,738,547	2,876,055
Stanislaus	3,968,569	3,589,725	4,060,311	3,895,213	4,057,782	3,917,635	4,109,719	4,204,725	4,092,911	4,295,835	4,159,210	4,352,508
Tulare	5,567,699	5,079,225	5,670,594	5,501,025	5,544,214	5,286,438	5,556,124	5,597,863	5,498,129	5,835,932	5,616,503	5,882,461
San Joaquin Valley	22,406,875	20,405,589	22,853,827	22,111,694	22,457,932	21,526,757	22,681,637	22,996,013	22,538,854	23,745,347	22,896,309	23,917,390
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	3,269	2,973	3,249	3,252	3,232	2,951	3,182	2,989	2,924	2,740	2,585	2,787
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	29,175	30,220	35,679	35,336	34,318	33,362	35,853	35,519	33,419	35,524	34,239	34,702
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	32,444	33,193	38,928	38,588	37,550	36,313	39,035	38,508	36,343	38,264	36,824	37,489
Imperial	21,286	19,725	24,497	23,930	23,908	23,486	18,578	17,344	14,157	16,091	17,364	21,539
Los Angeles	356,075	338,165	335,696	336,390	323,410	295,935	140,046	136,950	123,601	127,928	119,436	126,130
Orange	1,770	---	---	---	---	---	---	---	---	---	---	---
Riverside	3,982,520	3,739,437	4,246,553	4,109,781	4,198,291	4,027,431	4,174,161	4,107,521	3,983,169	4,256,572	4,054,391	4,247,227
San Bernardino	7,753,989	7,041,586	7,939,205	7,682,596	7,678,366	7,329,451	7,767,559	7,791,146	7,478,968	7,982,839	7,718,390	8,006,905
San Diego	691,181	663,854	790,180	749,862	745,991	712,540	732,815	733,776	750,090	828,047	795,025	839,277
Santa Barbara	224,174	205,221	224,794	165,651	229,014	160,430	219,904	215,638	213,638	218,449	211,045	220,880
Ventura	132,924	121,772	138,390	130,505	134,350	124,638	121,637	128,469	127,739	138,256	138,027	142,217
Southern California	13,163,919	12,129,760	13,699,255	13,198,715	13,333,330	12,673,911	13,174,700	13,130,844	12,691,362	13,568,182	13,053,678	13,604,175
STATE	40,742,363	37,170,400	41,806,992	40,509,102	41,157,967	39,331,139	41,232,869	41,527,555	40,474,366	42,756,396	41,121,474	42,801,123

TABLE 12. COMMERCIAL PRODUCTION OF MANUFACTURING MILK FAT, BY COUNTIES, AND DISTRICTS, CALIFORNIA, 1981 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	23,603	22,215	33,247	43,372	51,005	51,671	56,169	55,569	51,174	49,122	47,157	40,291
Humboldt	92,497	77,914	189,389	273,114	320,670	309,892	307,566	282,313	245,547	229,955	197,163	140,135
Mendocino	1,023	---	---	---	---	---	---	---	---		---	---
North Coast	117,123	100,129	222,636	316,486	371,675	361,563	363,735	337,882	296,721	279,077	244,320	186,426
Shasta	---	---	285	---	---	---	---	---	---	---	---	---
Siskiyou	---	227	---	---	---	---	---	---	---	---	---	215
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	---	227	285	---	---	---	---	---	---	---	---	215
Lassen	---	---	---	---	---	---	---	---	---	---	---	---
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	---	---	---	---	---	---	---	---	---	---	---	---
Alameda	---	---	---	---	---	---	---	---	---	---	---	---
Contra Costa	---	---	---	---	---	3,505	4,592	---	---	---	---	---
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	6,460	5,910	11,690	7,914	6,300	6,854	6,557	7,164	6,553	6,199	6,139	5,754
Monterey	358	---	---	363	---	---	842	853	---	---	205	---
Napa	440	329	299	309	254	---	---	---	---	---	---	---
San Benito	---	---	---	---	---	5,425	297	---	---	---	132	962
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	---	---	---	---	---	---	---	---	---	---	---	---
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	---	---	---	215	---	---	---	---	192	434	---	13,072
Santa Cruz	9,528	8,083	8,153	8,909	9,258	7,939	7,799	8,255	8,021	7,866	8,030	8,213
Sonoma	1,019	13,295	23,544	20,045	31,306	26,143	26,396	30,906	28,656	21,288	32,099	29,771
Central Coast	17,805	27,617	43,686	37,755	47,118	49,866	46,483	47,178	43,422	35,787	46,605	57,772
Butte	7,004	7,076	8,880	9,928	12,915	11,601	13,188	12,260	11,459	11,197	10,478	10,482
Colusa	3,232	363	456	510	728	665	894	823	770	1,051	710	698
Glenn	100,873	103,639	140,961	180,182	156,649	139,095	152,150	145,635	127,619	129,835	120,107	119,160
Sacramento	46,893	47,495	69,465	71,271	72,110	64,406	71,237	70,361	69,057	63,683	57,341	55,370
Solano	1,006	250	3,402	---	---	---	860	508	---	---	816	---
Sutter	6,224	9,250	9,201	8,822	9,043	8,411	6,646	6,557	6,993	5,716	6,573	5,185
Tehama	15,749	15,723	19,824	20,504	16,769	17,354	22,189	19,752	18,572	20,910	28,455	18,461
Yolo	---	---	---	---	---	---	---	500	116	110	---	---
Yuba	5,564	5,024	5,948	6,650	5,202	3,915	4,481	3,795	3,552	3,502	3,277	3,217
Sacramento Valley	186,545	188,820	258,137	297,867	273,416	245,447	271,645	260,191	238,138	236,004	227,757	212,573

TABLE 12. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	7,144	11,592	8,909	14,247	16,920	7,211	8,181	6,523	9,172	6,846	6,214	6,860
Kern	7,703	9,268	304	951	1,599	824	---	---	---	4,730	---	---
Kings	1,383	3,852	8,017	15,416	10,245	11,800	4,383	1,706	11,167	3,429	6,716	2,551
Madera	6,078	11,833	22,602	5,359	4,718	11,386	7,666	6,268	7,188	5,020	7,354	8,922
Merced	279,798	264,441	300,870	299,215	306,845	303,190	311,392	328,380	307,415	334,873	339,131	344,445
San Joaquin	121,231	118,504	131,227	120,634	129,920	113,634	116,649	118,479	105,324	111,524	119,278	113,892
Stanislaus	501,375	464,825	538,419	506,404	519,623	512,436	524,422	540,602	526,058	540,467	554,210	581,067
Tulare	41,370	53,039	77,504	61,905	72,030	62,351	45,355	39,438	15,033	17,524	49,756	13,329
San Joaquin Valley	966,082	937,354	1,087,852	1,024,131	1,061,900	1,022,832	1,018,048	1,041,396	981,357	1,024,413	1,082,659	1,071,066
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	---	---	---	---	---	---	---	---	---	---	---	---
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	---	---	---	---	---	---	---	---	1,767	---	---	---
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	---	---	---	---	---	---	---	---	1,767	---	---	---
Imperial	---	---	---	---	---	---	---	---	---	---	---	---
Los Angeles	---	---	---	---	---	---	6,332	6,177	---	---	---	3,058
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	1,078	4,358	2,577	14,593	1,453	8,746	2,984	17,972	1,998	5,286	1,614	1,659
San Bernardino	684	4,112	2,811	8,753	9,332	5,233	5,503	7,748	8,055	5,979	5,330	6,795
San Diego	---	2,376	---	2,796	1,671	470	4,024	251	---	---	3,897	5,715
Santa Barbara	---	---	---	---	---	---	---	---	---	---	---	565
Ventura	---	---	---	---	---	---	9,986	8,773	12,050	15,086	11,948	704
Southern California	1,762	10,846	5,388	26,142	12,456	14,449	28,829	40,921	22,103	26,351	22,789	18,496
STATE	1,289,317	1,264,993	1,617,984	1,702,381	1,766,565	1,694,157	1,728,740	1,727,568	1,583,508	1,601,632	1,624,130	1,546,548

AVERAGE PRICES PAID PRODUCERS

The California Crop and Livestock Reporting Service estimates the prices received by producers for many crops, livestock, and livestock products. The livestock products include whole milk sold in wholesale quantities. Table 13 contains the estimated monthly prices received by producers in California from 1971 through 1981. Data for earlier years are available in other publications and have been published in former annual reports of this series.

The average prices paid to producers in California for market milk and for manufacturing milk by month from 1971 through 1981, are presented in Tables 14 and 15. Prices paid for market milk in Table 14 reflect the changing proportions of the product paid for in accordance with class use, as well as varying price levels for products with the same usage. Prices paid for manufacturing milk in Table 15 reflect primarily changes in price levels. Both series are affected to some extent by fluctuation in the average milk fat content of milk purchased from producers. Prices are related to the average test of the milk purchased each month, rather than to milk of some standard test.

TABLE 13. AVERAGE PRICES PAID PRODUCERS FOR ALL WHOLE MILK, F.O.B. RANCH, CALIFORNIA, 1971-1981
(Dollars per Hundredweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
1971	5.61	5.57	5.45	5.39	5.47	5.44	5.38	5.42	5.52	5.66	5.80	5.88	5.54
1972	5.88	5.77	5.62	5.47	5.44	5.43	5.36	5.42	5.52	5.66	5.81	5.91	5.60
1973	5.93	6.21	6.16	5.91	5.86	5.91	5.92	6.28	6.87	7.12	7.84	7.82	6.47
1974	7.87	7.61	7.72	8.59	8.27	7.96	7.97	8.07	8.35	8.55	8.70	8.73	8.20
1975	8.91	8.88	8.74	8.64	8.45	8.33	8.40	8.57	8.90	9.27	9.49	9.78	8.85
1975 1/	9.08	9.06	8.92	8.81	8.63	8.51	8.57	8.75	9.08	9.45	9.66	9.93	9.03
1976	9.60	9.25	9.23	9.13	8.98	9.02	9.18	9.34	9.31	9.28	9.41	9.60	9.27
1977	9.69	9.49	9.45	9.49	9.62	9.65	9.60	9.69	9.86	10.10	10.20	10.30	9.76
1978	10.40	10.20	10.10	10.10	10.00	9.80	9.70	10.10	10.30	10.40	10.80	11.00	10.20
1979	10.90	11.10	11.00	11.00	11.10	11.20	11.20	11.40	11.60	12.00	12.30	12.50	11.40
1980	12.76	12.71	12.54	12.54	12.53	12.55	12.49	12.68	12.89	13.42	13.66	13.81	12.88
1981	13.73	13.63	13.58	13.51	13.26	13.17	13.14	13.10	13.24	13.58	13.60	13.71	13.44

1/ 1975 and subsequent years F.O.B. Plant price.

TABLE 14. AVERAGE PRICES PAID PRODUCERS FOR MARKET MILK, F.O.B. RANCH, CALIFORNIA, 1971-1981
(Dollars per Hundredweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
1971	5.70	5.66	5.55	5.48	5.58	5.55	5.49	5.52	5.61	5.75	5.88	5.97	5.64
1972	5.97	5.86	5.72	5.57	5.55	5.53	5.46	5.52	5.61	5.76	5.91	6.00	5.70
1973	6.02	6.31	6.26	6.01	5.96	6.01	6.00	6.37	6.95	7.18	7.94	7.91	6.56
1974	7.95	7.68	7.80	8.71	8.41	8.08	8.10	8.21	8.48	8.69	8.82	8.85	8.32
1975	9.01	8.99	8.85	8.76	8.58	8.45	8.50	8.68	8.99	9.34	9.56	9.86	8.95
1975 1/	9.18	9.16	9.02	8.93	8.75	8.62	8.67	8.85	9.17	9.51	9.73	10.00	9.12
1976	9.65	9.32	9.30	9.21	9.05	9.08	9.24	9.40	9.36	9.34	9.47	9.68	9.34
1977	9.75	9.55	9.50	9.53	9.66	9.70	9.65	9.74	9.90	10.10	10.20	10.30	9.80
1978	10.40	10.30	10.10	10.10	10.00	9.85	9.75	10.10	10.30	10.40	10.80	11.00	10.20
1979	10.90	11.10	11.00	11.00	11.10	11.20	11.20	11.40	11.60	12.00	12.30	12.50	11.40
1980	12.80	12.76	12.59	12.58	12.56	12.59	12.53	12.72	12.93	13.46	13.70	13.84	12.92
1981	13.76	13.66	13.61	13.55	13.30	13.22	13.19	13.14	13.27	13.60	13.63	13.74	13.47

1/ 1975 and subsequent years F.O.B. Plant price.

TABLE 15. AVERAGE PRICES PAID PRODUCERS FOR MANUFACTURING MILK, F.O.B. RANCH, CALIFORNIA, 1971-1981
(Dollars per Hundredweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
1971	4.71	4.64	4.54	4.66	4.62	4.60	4.58	4.62	4.78	4.93	5.04	5.08	4.72
1972	5.06	4.95	4.79	4.73	4.69	4.69	4.69	4.73	4.81	4.89	5.02	5.14	4.83
1973	5.14	5.20	5.14	5.00	4.94	4.96	5.11	5.33	5.94	6.39	6.57	6.62	5.46
1974	6.59	6.56	6.67	6.98	6.68	6.52	6.51	6.48	6.58	6.72	6.86	6.78	6.65
1975	7.37	7.19	7.11	7.03	6.89	6.88	7.06	7.16	7.73	8.25	8.35	8.43	7.40
1975 1/	7.45	7.49	7.37	7.22	7.08	7.05	7.27	7.35	7.92	8.45	8.53	8.62	7.60
1976	8.48	8.00	7.87	7.94	7.87	8.03	8.20	8.45	8.43	8.23	8.29	8.15	8.16
1977	8.21	8.13	8.13	8.68	8.81	8.79	8.67	8.65	8.82	8.93	9.09	9.14	8.68
1978	9.09	9.03	8.94	9.25	9.15	9.17	9.08	9.26	9.49	9.70	10.00	10.20	9.34
1979	10.00	9.85	9.80	10.10	10.30	10.30	10.30	10.40	10.70	11.10	11.60	11.60	10.50
1980	11.56	11.44	11.34	11.69	11.75	11.61	11.62	11.72	12.01	12.36	12.68	12.77	11.88
1981	12.71	12.64	12.84	12.49	12.21	12.10	12.06	12.22	12.38	12.89	12.87	12.86	12.52

1/ 1975 and subsequent years F.O.B. Plant price.

UTILIZATION OF COMMERCIAL PRODUCTION

During 1981, approximately 32.5 percent of the total milk fat produced commercially in California was used in fluid market milk. Fluid market milk includes fluid whole milk, fluid lowfat milk, concentrated fluid milk, fluid skim milk, and beginning with 1974, it also includes yogurt. Fluid half-and-half used 1.7 percent of the milk fat; butter, 30.6 percent; cheese (including cottage cheese), 11.6 percent; condensed and evaporated milk products, 1.9 percent; frozen dairy products, 11.1 percent, and all other manufactured products, 10.6 percent. Approximately 34.2 percent of the total milk fat was used in fluid market milk products and the remaining 65.8 percent was used in manufactured products.

Approximately 45.3 percent of the market grade milk produced in 1981 was used in Class 1 fluid market milk products; 7.1 percent was used in manufactured products where market grade milk was mandatory; and 47.6 percent was used in making all other kinds of manufactured products.

TABLE 16. ESTIMATED PERCENTAGE UTILIZATION OF COMMERCIAL MILK-FAT PRODUCTION, CALIFORNIA, 1962-1981

Year	Fluid market milk 1/	Fluid market cream 2/	Butter	Cheese, including cottage cheese	Condensed milk products 3/	Frozen dairy products	Other manufactured products 4/
1962	52.8	8.2	10.7	3.8	6.5	11.8	6.2
1963	55.2	8.2	8.9	3.8	6.2	12.6	5.1
1964	55.6	7.8	9.1	3.7	6.6	12.9	4.3
1965	55.8	7.6	9.2	3.8	5.9	13.5	4.2
1966	56.5	7.4	7.0	3.6	6.6	13.7	5.2
1967	55.2	7.1	12.1	2.9	4.6	13.5	4.6
1968	53.2	6.6	14.2	2.8	5.1	13.6	4.5
1969	52.3	6.0	15.5	2.6	5.0	13.7	4.9
1970	49.0	5.5	20.7	3.1	3.9	13.3	4.5
1971	47.1	5.1	22.1	3.4	4.0	13.0	5.3
1972	45.5	4.6	24.7	3.5	3.2	12.5	6.0
1973	45.6	4.7	24.2	4.4	3.0	12.4	5.7
1974	43.6	2.2	26.9	5.2	2.7	13.0	6.4
1975	42.2	2.2	28.1	5.9	2.7	13.2	5.7
1976	40.9	2.1	28.8	6.8	2.6	12.7	6.1
1977	40.0	2.1	29.9	7.5	2.2	12.2	6.1
1978	40.2	2.0	26.5	8.3	2.1	12.6	8.3
1979	38.8	2.0	26.9	9.2	2.1	12.1	8.9
1980	34.5	1.8	30.8	10.1	1.7	11.2	9.9
1981	32.5	1.7	30.6	11.6	1.9	11.1	10.6

1/ Includes fluid whole milk, fluid lowfat milk, concentrated fluid milk, and fluid skim milk through 1973. Yogurt is also included for the period 1974-1981.

2/ Includes fluid cream and half-and-half through 1973, half-and-half only for subsequent years.

3/ Evaporated milk and other condensed milk products are included.

4/ Includes sour and all other fluid cream for the period 1974-1981.

TABLE 17. COMMERCIAL PRODUCTION AND USAGE OF MILK, CALIFORNIA 1964-1981 1/

	Commercial production (thousand pounds)			Class 1 usage (thousand pounds)	Available for manufacture (thousand pounds)			Percent available for manufacture	
	Market	Manufacturing	Total		Market	Manufacturing	Total	Market	Total
1964	7,393,886	985,389	8,379,275	5,312,495	2,081,391	985,389	3,066,780	28.2	36.6
1965	7,367,524	971,570	8,339,094	5,326,377	2,041,147	971,570	3,012,717	27.7	36.1
1966	7,591,503	865,655	8,457,158	5,463,262	2,128,241	865,655	2,993,896	28.0	35.4
1967	7,685,955	876,187	8,562,142	5,453,205	2,232,750	876,187	3,108,937	29.0	36.3
1968	8,002,052	815,387	8,817,439	5,441,752	2,560,300	815,387	3,375,687	32.0	38.3
1969	7,970,766	799,438	8,770,204	5,405,325	2,565,441	799,438	3,364,879	32.2	38.4
1970	8,481,432	865,027	9,346,459	5,399,404	3,082,028	865,027	3,947,055	36.3	42.2
1971	8,614,289	979,836	9,594,125	5,406,666	3,207,623	979,836	4,187,459	37.2	43.6
1972	9,163,369	1,136,171	10,299,540	5,647,138	3,516,231	1,136,171	4,652,402	38.4	45.2
1973	9,354,250	879,237	10,233,487	5,719,894	3,634,356	879,237	4,513,593	39.9	44.1
1974	9,776,188	724,765	10,500,953	5,740,347	4,035,841	724,765	4,760,606	41.3	45.3
1975	10,060,384	695,507	10,755,891	5,837,522	4,222,862	695,507	4,918,369	42.0	45.7
1976	10,886,279	602,087	11,488,366	6,032,561	4,853,718	602,087	5,455,805	44.6	47.5
1977	11,377,410	510,659	11,888,069	6,143,455	5,233,955	510,659	5,744,614	46.0	48.3
1978	11,329,087	447,648	11,776,735	6,211,747	5,117,340	447,648	5,564,988	45.2	47.3
1979	12,029,199	459,453	12,488,652	6,292,820	5,736,379	459,453	6,195,832	47.7	49.6
1980	12,998,001	517,997	13,515,998	6,238,927	6,759,074	517,997	7,277,071	52.0	53.8
1981	13,666,750	519,853	14,186,603	6,188,714	7,478,036	519,853	7,997,889	54.7	56.4

1/ Detail for 1980 and 1981 shown in Table 22.

TABLE 18. COMMERCIAL PRODUCTION AND USAGE OF MARKET MILK FAT AND MARKET SKIM MILK, CALIFORNIA, 1964-1981 1/

	Market Milk Fat				Market Skim Milk			
	Commercial production (thousand pounds)	Class 1 Usage (thousand pounds)	Other than Class 1 usage		Commercial production (thousand pounds)	Class 1 usage (thousand pounds)	Other than Class 1 usage	
			Thousand pounds	Percent of production			Thousand pounds	Percent of production
1964	267,607	193,215	74,392	27.8	7,126,279	5,119,280	2,006,999	28.2
1965	268,332	192,724	75,608	28.2	7,099,192	5,133,653	1,965,539	27.7
1966	274,577	196,054	78,523	28.6	7,316,926	5,267,208	2,049,718	28.0
1967	277,547	193,402	84,145	30.3	7,408,408	5,259,803	2,148,605	29.0
1968	287,023	190,057	96,966	33.8	7,715,029	5,251,695	2,463,334	31.9
1969	287,435	185,253	102,182	35.6	7,683,331	5,220,072	2,463,259	32.1
1970	303,336	182,919	120,417	39.7	8,178,096	5,216,485	2,961,611	36.2
1971	309,103	180,183	128,920	41.7	8,305,186	5,226,483	3,078,703	37.1
1972	327,371	185,058	142,313	43.5	8,835,998	5,462,080	3,373,918	38.6
1973	335,933	185,344	150,589	44.8	9,018,317	5,534,550	3,483,767	38.6
1974	351,133	173,348	177,785	50.6	9,425,055	5,566,999	3,858,056	40.9
1975	364,795	173,102	191,693	52.5	9,695,589	5,664,420	4,031,169	41.6
1976	390,950	178,026	212,924	54.5	10,495,329	5,854,535	4,640,794	44.2
1977	405,943	178,958	226,985	55.9	10,971,467	5,964,497	5,006,970	45.6
1978	408,311	179,515	228,796	56.0	10,920,776	6,032,232	4,888,544	44.8
1979	426,183	180,650	245,533	57.6	11,603,015	6,112,170	5,490,845	47.3
1980	468,324	176,741	291,583	62.3	12,529,677	6,062,086	6,467,591	51.6
1981	490,629	174,337	316,292	64.5	13,176,121	6,014,377	7,161,744	54.4

1/ Detail for 1980 and 1981 shown in Tables 23 and 24.

TABLE 19. COMMERCIAL PRODUCTION OF MILK FAT AND SKIM MILK AVAILABLE FOR MANUFACTURE, CALIFORNIA, 1964-1981 1/

	Milk fat available for manufacture (thousand pounds)				Skim milk available for manufacture (thousand pounds)			
	Manu-facturing	Market	Total	Percent of Production	Manu-facturing	Market	Total	Percent of Production
1964	37,292	74,392	111,684	36.6	948,097	2,006,999	2,955,096	36.6
1965	36,537	75,608	112,145	36.8	935,033	1,965,539	2,900,572	36.1
1966	32,697	78,523	111,220	36.2	832,958	2,049,718	2,882,676	35.4
1967	33,115	84,145	117,260	37.7	843,072	2,148,605	2,991,677	36.3
1968	30,715	96,966	127,681	40.2	784,672	2,463,334	3,248,006	38.2
1969	30,081	102,182	132,263	41.7	769,357	2,463,259	3,232,616	38.2
1970	32,395	120,417	152,812	45.5	832,632	2,961,611	3,794,243	42.1
1971	36,549	128,920	165,469	47.9	943,287	3,078,703	4,021,990	43.5
1972	41,940	142,313	184,253	49.9	1,094,231	3,373,918	4,468,149	45.0
1973	32,646	150,589	183,235	49.7	846,591	3,483,767	4,330,358	43.9
1974	26,748	177,785	204,533	54.1	698,017	3,858,056	4,556,073	45.0
1975	25,960	191,693	217,653	55.7	669,547	4,031,169	4,700,716	45.4
1976	22,562	212,924	235,486	56.9	579,525	4,640,794	5,220,319	47.1
1977	18,958	226,985	245,943	57.9	491,701	5,006,970	5,498,671	48.0
1978	16,816	228,796	245,612	57.8	430,832	4,888,544	5,319,376	48.7
1979	16,881	245,533	262,414	59.2	442,572	5,490,845	5,933,417	49.2
1980	19,050	291,483	310,533	63.7	498,947	6,467,591	6,966,538	53.5
1981	19,147	316,292	335,439	65.8	500,706	7,161,744	7,662,450	56.0

1/ Detail for 1980 and 1981 shown in Tables 23 and 24.

TABLE 20. CLASS 1 USAGE, CALIFORNIA, 1981
(Gallons)

	January	February	March	April	May	June	July	August	September	October	November	December
Market Whole Milk 1/	35,727,616	31,969,378	35,364,697	33,832,023	33,653,711	33,422,095	35,169,066	34,696,006	34,315,157	35,511,677	33,303,384	34,383,448
Market Lowfat Milk	20,785,161	18,474,832	21,077,313	19,776,469	20,249,420	19,012,849	19,072,257	18,780,351	20,289,967	21,644,426	20,264,520	20,190,687
Market Skim Milk	3,925,836	3,531,937	4,061,523	3,805,733	3,885,163	3,633,626	3,491,400	3,384,345	3,615,940	3,866,009	3,568,583	3,399,935
Half-and-Half	782,417	709,570	792,308	788,976	793,221	810,444	845,427	816,209	775,676	814,489	827,616	894,635
Yogurt	1,116,434	1,176,634	1,332,044	1,252,381	1,302,825	1,388,540	1,335,357	1,197,118	1,211,423	1,245,992	1,150,738	952,406
All Other Class 1 Uses	26,930	23,414	29,157	22,835	17,713	18,065	8,072	4,537	4,297	3,988	4,719	4,819
Total Class 1	62,364,394	55,885,765	62,657,042	59,478,417	59,902,053	58,285,619	59,921,579	58,878,566	60,212,460	63,086,581	59,119,560	59,825,930

1/ The whole-milk equivalent of concentrated fluid milk is included.

Pounds of Milk Fat

Market Whole Milk	10,669,978	9,560,659	10,554,421	10,096,071	10,036,035	9,972,078	10,494,246	10,344,765	10,219,383	10,576,071	9,914,628	10,256,420
Market Lowfat Milk	3,503,674	3,114,138	3,549,037	3,333,099	3,400,298	3,207,244	3,214,102	3,164,037	3,424,238	3,649,958	3,418,887	3,410,623
Market Skim Milk	4,268	3,962	4,507	4,285	4,379	3,969	3,693	3,624	4,113	4,542	3,975	3,780
Half-and-Half	719,603	651,984	727,942	721,981	718,503	742,015	771,773	747,716	709,704	744,750	760,103	823,365
Yogurt	176,396	185,908	210,463	197,876	205,846	219,389	210,986	189,145	191,405	196,867	181,817	150,480
All Other Class 1 Uses	3,265	3,428	4,443	4,095	4,336	4,172	3,968	4,083	3,867	3,589	4,247	4,337
Total Class 1	15,077,184	13,520,079	15,050,813	14,357,407	14,369,397	14,148,867	14,698,768	14,453,370	14,552,710	15,175,777	14,283,657	14,649,005

TABLE 21. MANDATORY CLASS 2 USAGE, CALIFORNIA, 1981
(Pounds of Product)

	January	February	March	April	May	June	July	August	September	October	November	December
Sour Cream & Sour Cream Dress.	4,819,337	5,094,908	5,500,088	5,719,655	5,630,322	5,913,246	5,886,430	5,608,952	5,667,811	5,310,275	6,445,094	7,860,804
All Other Market Cream	1,707,171	2,577,244	3,253,072	3,813,977	2,946,965	3,045,623	2,806,047	2,641,362	2,518,753	3,013,681	4,556,689	3,616,106
Buttermilk	7,529,992	7,118,724	8,048,735	7,755,000	7,721,218	8,002,256	8,171,613	7,565,920	7,706,780	7,147,523	7,242,240	7,078,468
Creamed Cottage Cheese 1/	2,606,423	2,419,346	2,686,763	2,662,480	2,808,077	2,806,875	2,795,064	2,822,574	2,586,009	2,495,977	2,398,283	2,243,380
Lowfat Cottage Cheese 1/	1,431,282	1,318,812	1,496,789	1,521,602	1,676,077	1,614,693	1,589,635	1,452,792	1,431,183	1,382,128	1,311,685	1,216,770
Cottage Cheese, Dry Curd 2/	59,379,739	54,012,572	60,146,510	60,592,039	64,993,050	65,115,022	64,239,280	60,294,001	56,154,715	52,931,719	50,822,263	47,297,838
Filled and Imitation Products	144,467	151,546	134,001	159,386	128,670	132,716	137,864	116,570	144,453	110,409	152,327	133,564
Yogurt (Out-of-State Use)	1,801,614	2,185,544	2,793,607	2,844,080	2,593,046	2,525,201	2,497,569	2,412,954	2,438,599	2,518,794	2,077,528	1,788,447
TOTAL	79,420,025	74,878,696	84,059,565	85,068,219	88,497,425	89,155,632	88,123,502	82,915,125	78,648,303	74,910,506	75,006,109	71,235,377

1/ Approximately 0.34 pound of creaming mixture is added to each pound of curd in the creaming process.

2/ 7.14 pounds of skim milk are required to make one pound of dry curd.

Pounds of Milk Fat

Sour Cream & Sour Cream Dressing	967,281	1,022,591	1,103,914	1,147,983	1,130,053	1,186,838	1,181,456	1,125,764	1,137,577	1,065,817	1,293,584	1,577,729
All Other Market Cream	558,231	842,738	893,304	1,247,139	963,633	995,893	917,554	863,704	823,611	985,449	1,490,000	1,182,437
Buttermilk	34,942	33,034	37,349	35,986	35,829	37,133	37,919	35,109	35,762	33,167	33,607	32,847
Creamed Cottage Cheese 1/	377,931	350,805	389,581	386,060	407,171	406,997	405,284	409,273	374,971	361,917	347,751	325,290
Lowfat Cottage Cheese 2/	78,720	72,535	83,323	83,688	92,184	88,808	87,430	79,904	78,715	76,017	72,143	66,922
Cottage Cheese, Dry Curd	---	---	---	---	---	---	---	---	---	---	---	---
Filled and Imitation Products	---	---	---	---	---	---	---	---	---	---	---	---
Yogurt (Out-of-State Use)	33,099	40,153	51,324	52,252	47,640	46,393	45,886	44,331	44,802	46,276	38,168	32,858
TOTAL	2,050,204	2,361,856	2,558,795	2,953,108	2,676,510	2,762,062	2,675,529	2,558,085	2,495,438	2,568,643	3,275,253	3,218,083

1/ Creaming mixture for creamed cottage cheese tests 14.5%.

2/ Creaming mixture for lowfat cottage cheese tests 5.5%.

TABLE 22. UTILIZATION OF MARKET AND MANUFACTURING MILK IN CALIFORNIA, 1980-1981

	TOTAL COMMERCIAL PRODUCTION	MARKET MILK							MANUFACTURING MILK	TOTAL AVAILABLE FOR MANUFACTURE	
	Market & Mfg.	Production	Class 1 Usage		Mandatory Class 2 Usage		All Other Usage		Production	(excluding mandatory Class 2 usage)	
	Thousand Pounds	Thousand Pounds	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Thousand Pounds	Percent of Total Production
1980	13,515,998	12,998,001	6,238,927	48.0	953,662	7.3	5,805,412	44.7	517,997	6,323,409	46.8
1981	14,186,603	13,666,750	6,188,714	45.3	971,918	7.1	6,506,118	47.6	519,853	7,025,971	49.5
1980											
January	1,047,960	1,014,994	539,518	53.2	77,976	7.7	397,500	39.2	32,966	430,466	41.1
February	995,085	960,850	512,910	53.4	76,081	7.9	371,859	38.7	34,235	406,094	40.8
March	1,090,760	1,046,680	526,054	50.2	81,784	7.8	438,842	41.9	44,080	482,922	44.3
April	1,115,569	1,068,761	515,635	48.2	81,669	7.6	471,457	44.1	46,808	518,265	46.4
May	1,188,358	1,139,069	532,488	46.7	82,088	7.2	524,493	46.0	49,289	573,782	48.3
June	1,166,382	1,117,692	486,006	43.5	80,842	7.2	550,844	49.3	48,690	599,534	51.4
July	1,201,021	1,150,354	513,757	44.7	84,034	7.3	552,563	48.0	50,667	603,230	50.2
August	1,201,141	1,152,392	506,323	43.9	83,439	7.2	562,630	48.8	48,749	611,379	50.9
September	1,153,944	1,109,830	525,978	47.4	77,043	6.9	506,809	45.7	44,114	550,923	47.7
October	1,156,919	1,113,181	553,084	49.7	79,477	7.1	480,620	43.2	43,738	524,358	45.3
November	1,091,346	1,052,867	505,017	48.0	76,405	7.2	471,445	44.8	38,479	509,924	46.7
December	1,107,513	1,071,331	522,157	48.7	72,824	6.8	476,350	44.5	36,182	512,532	46.3
1981											
January	1,126,448	1,092,700	536,334	49.1	79,420	7.3	476,946	43.6	33,748	510,694	45.3
February	1,037,636	1,003,935	480,618	47.9	74,879	7.4	448,438	44.7	33,701	482,139	46.5
March	1,183,284	1,139,926	538,850	47.3	84,060	7.4	517,016	45.4	43,358	560,374	47.4
April	1,179,697	1,133,361	511,514	45.1	85,068	7.5	536,779	47.4	46,336	583,115	49.4
May	1,237,096	1,187,496	515,158	43.4	88,497	7.4	583,841	49.2	49,600	633,441	51.2
June	1,196,445	1,148,086	501,256	43.7	89,156	7.8	557,674	48.6	48,359	606,033	50.6
July	1,255,963	1,206,767	515,326	42.7	88,124	7.3	603,317	50.0	49,196	652,513	52.0
August	1,241,210	1,192,975	506,356	42.4	82,915	7.0	603,704	50.6	48,235	651,939	52.5
September	1,189,541	1,146,299	517,827	45.2	78,648	6.9	549,824	48.0	43,242	593,066	49.8
October	1,213,659	1,171,405	542,544	46.3	74,910	6.4	553,951	47.3	42,254	596,205	49.1
November	1,150,800	1,108,614	508,428	45.9	75,006	6.8	525,180	47.4	42,186	567,366	49.3
December	1,174,824	1,135,186	514,503	45.3	71,235	6.3	549,448	48.4	39,638	589,086	50.1

TABLE 23. UTILIZATION OF MARKET AND MANUFACTURING MILK FAT IN CALIFORNIA, 1980-1981

	TOTAL COMMERCIAL PRODUCTION	MARKET MILK FAT							MANUFACTURING MILK FAT	TOTAL AVAILABLE FOR MANUFACTURE (excluding mandatory Class 2 usage)	
	Market & Mfg.	Production	Class 1 Usage		Mandatory Class 2 Usage		All Other Usage		Production		
	Thousand Pounds	Thousand Pounds	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Thousand Pounds	Percent of Total Production
1980	487,374	468,324	176,841	37.8	26,955	5.8	264,528	56.5	19,050	283,578	58.2
1981	509,776	490,629	174,337	35.5	32,153	6.6	284,139	57.9	19,147	303,286	59.5
1980											
January	39,512	38,243	15,355	40.2	1,879	4.9	21,009	54.9	1,269	22,278	56.4
February	37,623	36,327	14,519	40.0	2,084	5.7	19,724	54.3	1,296	21,020	55.9
March	40,425	38,785	14,873	38.3	2,134	5.5	21,778	56.2	1,640	23,418	57.9
April	39,783	38,095	14,515	38.1	2,357	6.2	21,223	55.7	1,688	22,911	57.6
May	41,496	39,745	15,014	37.8	2,280	5.7	22,451	56.5	1,751	24,202	58.3
June	40,430	38,705	13,835	35.7	2,397	6.2	22,473	58.1	1,725	24,198	59.8
July	41,563	39,770	14,740	37.1	2,204	5.5	22,826	57.4	1,793	24,619	59.2
August	41,633	39,893	14,526	36.4	2,164	5.4	23,203	58.2	1,740	24,943	59.9
September	41,015	39,389	14,839	37.7	1,962	5.0	22,588	57.3	1,626	24,214	59.0
October	41,897	40,256	15,502	38.5	2,085	5.2	22,669	56.3	1,641	24,310	58.0
November	40,389	38,918	14,243	36.6	2,697	6.9	21,978	56.5	1,471	23,449	58.0
December	41,608	40,198	14,880	37.0	2,712	6.7	22,606	56.2	1,410	24,016	57.7
1981											
January	42,031	40,742	15,077	37.0	2,050	5.0	23,615	58.0	1,289	24,904	59.2
February	38,435	37,170	13,520	36.4	2,362	6.4	21,288	57.3	1,265	22,553	58.7
March	43,425	41,807	15,051	36.0	2,559	6.1	24,197	57.9	1,618	25,815	59.4
April	42,211	40,509	14,357	35.4	2,953	7.3	23,199	57.3	1,702	24,901	59.0
May	42,924	41,158	14,369	34.9	2,676	6.5	24,113	58.6	1,766	25,879	60.3
June	41,025	39,331	14,149	36.0	2,762	7.0	22,420	57.0	1,694	24,114	58.8
July	42,962	41,233	14,699	35.6	2,676	6.5	23,858	57.9	1,729	25,587	59.6
August	43,255	41,527	14,453	34.8	2,558	6.2	24,516	59.0	1,728	26,244	60.7
September	42,058	40,474	14,553	36.0	2,495	6.2	23,426	57.9	1,584	25,010	59.5
October	44,358	42,756	15,176	35.5	2,569	6.0	25,011	58.5	1,602	26,613	60.0
November	42,745	41,121	14,284	34.7	3,275	8.0	23,562	57.3	1,624	25,186	58.9
December	44,347	42,801	14,649	34.2	3,218	7.5	24,934	58.2	1,546	26,480	59.7

TABLE 24. UTILIZATION OF MARKET AND MANUFACTURING SKIM MILK IN CALIFORNIA, 1980-1981

	TOTAL COMMERCIAL PRODUCTION	MARKET SKIM MILK							MANUFACTURING SKIM MILK	TOTAL AVAILABLE FOR MANUFACTURE (excluding mandatory Class 2 usage)	
	Market & Mfg.	Production	Class 1 Usage		Mandatory Class 2 Usage		All Other Usage		Production		
	Thousand Pounds	Thousand Pounds	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Thousand Pounds	Percent of Total Production
1980	13,028,624	12,529,677	6,062,086	48.4	926,707	7.4	5,540,884	44.2	498,947	6,039,831	46.4
1981	13,676,827	13,176,121	6,014,377	45.6	939,765	7.1	6,221,979	47.2	500,706	6,722,685	49.2
1980											
January	1,008,448	976,751	524,163	53.7	76,097	7.8	376,491	38.5	31,697	408,188	40.5
February	957,462	924,523	498,391	53.9	73,997	8.0	352,135	38.1	32,939	385,074	40.2
March	1,050,335	1,007,895	511,181	50.7	79,650	7.9	417,064	41.4	42,440	459,504	43.7
April	1,075,786	1,030,666	501,120	48.6	79,312	7.7	450,234	43.7	45,120	495,354	46.0
May	1,146,862	1,099,324	517,474	47.1	79,808	7.2	502,042	45.7	47,538	549,580	47.9
June	1,125,952	1,078,987	472,171	43.8	78,445	7.3	528,371	49.0	46,965	575,336	51.1
July	1,159,458	1,110,584	499,017	44.9	81,830	7.4	529,737	47.7	48,874	578,611	49.9
August	1,159,508	1,112,499	491,797	44.2	81,275	7.3	539,427	48.5	47,009	586,436	50.6
September	1,112,929	1,070,441	511,139	47.8	75,081	7.0	484,221	45.2	42,488	526,709	47.3
October	1,115,022	1,072,925	537,582	50.1	77,392	7.2	457,951	42.7	42,097	500,048	44.8
November	1,050,957	1,013,949	490,774	48.4	73,708	7.3	449,467	44.3	37,008	486,475	46.3
December	1,065,905	1,031,133	507,277	49.2	70,112	6.8	453,744	44.0	34,772	488,516	45.8
1981											
January	1,084,417	1,051,958	521,257	49.6	77,370	7.4	453,331	43.1	32,459	485,790	44.8
February	999,201	966,765	467,098	48.3	72,517	7.5	427,150	44.2	32,436	459,586	46.0
March	1,139,859	1,098,119	523,799	47.7	81,501	7.4	492,819	44.9	41,740	534,559	46.9
April	1,137,486	1,092,852	497,157	45.5	82,115	7.5	513,580	47.0	44,634	558,214	49.1
May	1,194,172	1,146,338	500,789	43.7	85,821	7.5	559,728	48.8	47,834	607,562	50.9
June	1,155,420	1,108,755	487,107	43.9	86,394	7.8	535,254	48.3	46,665	581,919	50.4
July	1,213,001	1,165,534	500,627	43.0	85,448	7.3	579,459	49.7	47,467	626,926	51.7
August	1,197,955	1,151,448	491,903	42.7	80,357	7.0	579,188	50.3	46,507	625,695	52.2
September	1,147,483	1,105,825	503,274	45.5	76,153	6.9	526,398	47.6	41,658	568,056	49.5
October	1,169,301	1,128,649	527,368	46.7	72,341	6.4	528,940	46.9	40,652	569,592	48.7
November	1,108,055	1,067,493	494,144	46.3	71,731	6.7	501,618	47.0	40,562	542,180	48.9
December	1,130,477	1,092,385	499,854	45.8	68,017	6.2	524,514	48.0	38,092	562,606	49.8

SALES OF FLUID DAIRY PRODUCTS

Total sales of Class 1 fluid market milk products in California during 1981 amounted to approximately 720 million gallons. This included 651 million gallons of fluid milk (whole milk, lowfat milk, and concentrated milk) 44.2 million gallons of fluid skim milk; 9.6 million gallons of half-and-half; and 14.8 million gallons of yogurt and other miscellaneous Class 1 products. The sales of fluid milk included 15 million gallons to the Federal Government and 635 million gallons to the civilian trade.

Beginning January 1974, changes were made in the usage classification of several products made with market grade milk. The changes which affect this section are as follows: (1) The product called flavored dairy drink was replaced by flavored lowfat milk, and flavored nonfat milk (tabulated as components of lowfat fluid milk sales, and fluid skim milk sales, respectively); (2) all fluid cream items except half-and-half became Class 2 usage items; and (3) yogurt sales plus sales of the Class 1 skim portion of imitation milk products have been tabulated as part of Class 1 sales. Because of these changes, few valid comparisons can be made between 1981 Class 1 sales and those for years prior to 1974.

Between 1980 and 1981, total Class 1 sales were down 0.8 percent. Sales of fluid milk dropped 0.6 percent; sales of fluid skim milk, declined 1.2 percent; and sales of fluid half-and-half were up 2.7 percent.

A summary of fluid milk sales by type of trade in California for the years 1964 through 1981 is presented in Table 36. During 1981, sales of fluid milk to the wholesale trade (stores, restaurants, schools, hospitals, etc.) by distributors on their own routes represented 85.1 percent of total sales; sales by distributors on their own routes to retail customers accounted for 0.3 percent; sales to retail customers cash-and-carry at ranch and/or processing plant, 0.8 percent; sales to subdistributors or peddlers for resale to the trade, 11.4 percent; and sales to the Federal Government, 2.4 percent.

TABLE 25. SALES OF MARKET MILK PRODUCTS, CALIFORNIA, 1964-1981
(Thousand Gallons)

	Fluid Market Milk 1/			Market skim milk	Flavored dairy drink	Half-and-half	Market Cream			Total Class 1 2/
	Total	Federal Gov.	Other				Total	Sour	Other	
1964	553,833	36,625	517,208	34,249	11,545	13,660	4,446	2,721	1,725	617,733
1965	557,694	34,989	522,705	33,088	11,031	12,984	4,549	2,869	1,680	619,346
1966	574,852	41,792	533,060	33,228	10,024	12,455	4,704	3,093	1,611	635,263
1967	574,084	40,897	533,187	34,015	9,637	11,711	4,647	3,120	1,527	634,094
1968	571,642	40,181	531,461	35,193	10,226	11,136	4,565	3,283	1,282	632,762
1969	568,672	37,630	531,042	34,904	10,341	10,412	4,197	3,350	847	628,526
1970	568,797	32,626	536,171	34,529	10,391	9,707	4,414	3,556	858	627,838
1971	569,655	30,396	539,259	36,220	9,864	8,427	4,516	3,597	919	628,682
1972	594,110	30,628	563,482	39,738	10,231	8,087	4,478	3,581	897	656,644
1973	600,990	30,178	570,812	41,523	9,820	8,166	4,605	3,773	832	665,104
1974	601,450	27,972	573,478	43,639	---	8,212	---	---	---	667,482
1975	609,327	23,428	585,899	46,263	---	8,207	---	---	---	678,782
1976	634,292	21,683	612,609	46,540	---	8,516	---	---	---	701,461
1977	646,060	20,254	625,806	47,312	---	8,614	---	---	---	714,355
1978	654,784	18,077	636,707	46,097	---	9,095	---	---	---	722,296
1979	662,761	17,203	645,558	45,046	---	9,378	---	---	---	731,723
1980	655,269	16,243	639,026	44,694	---	9,394	---	---	---	725,455
1981	650,965	15,476	635,489	44,170	---	9,650	---	---	---	719,615
1978										
January	55,366	1,565	53,801	4,065		710				61,161
February	50,521	1,441	49,080	3,720		677				55,939
March	56,120	1,589	54,531	4,156	Included	770				62,168
April	52,932	1,477	51,455	3,961	in	730				58,685
May	55,412	1,465	53,947	4,101	Fluid	766	No longer Class 1			61,449
June	52,824	1,440	51,384	3,779	Milk	758	products			58,403
July	52,370	1,442	50,928	3,492	and	782				57,667
August	55,217	1,547	53,670	3,553	Fluid	782				60,570
September	56,377	1,537	54,840	3,760	Skim	758				61,864
October	58,528	1,553	56,975	4,065	Milk	748				64,468
November	55,605	1,559	54,046	3,822		776				61,119
December	53,512	1,462	52,050	3,623		836				58,803
1979										
January	57,980	1,597	56,383	3,997		787				63,850
February	51,750	1,409	50,341	3,602		755				57,124
March	57,856	1,559	56,297	4,054	Included	801				63,863
April	53,382	1,383	51,999	3,656	in	763				58,962
May	56,704	1,482	55,222	3,937	Fluid	795	No longer Class 1			62,716
June	52,526	1,451	51,075	3,587	Milk	766	products			58,085
July	52,812	1,355	51,457	3,433	and	786				58,225
August	55,687	1,403	54,284	3,552	Fluid	806				61,336
September	54,693	1,398	53,295	3,735	Skim	711				60,466
October	58,953	1,461	57,492	4,141	Milk	776				65,345
November	56,359	1,428	54,931	3,808		801				62,193
December	54,059	1,277	52,782	3,544		831				59,558
1980										
January	56,918	1,434	55,484	3,746		769				62,735
February	53,761	1,338	52,423	3,734		740				59,641
March	55,055	1,365	53,690	3,897	Included	773				61,169
April	53,808	1,398	52,410	3,949	in	757				59,958
May	55,674	1,339	54,335	3,939	Fluid	792	No longer Class 1			61,917
June	50,782	1,172	49,610	3,536	Milk	772	products			56,512
July	54,059	1,380	52,679	3,482	and	809				59,739
August	53,329	1,320	52,009	3,437	Fluid	784				58,875
September	55,340	1,373	53,967	3,712	Skim	765				61,160
October	58,067	1,455	56,612	4,070	Milk	796				64,312
November	53,236	1,337	51,899	3,601		780				58,722
December	55,240	1,332	53,908	3,591		857				60,716
1981										
January	56,513	1,348	55,165	3,926		782				62,364
February	50,444	1,312	49,132	3,532		710				55,886
March	56,442	1,494	54,948	4,062	Included	792				62,657
April	53,608	1,340	52,268	3,806	in	789				59,478
May	53,903	1,265	52,638	3,885	Fluid	793	No longer Class 1			59,902
June	52,435	1,218	51,217	3,634	Milk	810	products			58,285
July	54,241	1,344	52,897	3,491	and	845				59,920
August	53,476	1,230	52,246	3,384	Fluid	816				58,877
September	54,605	1,291	53,314	3,616	Skim	776				60,212
October	57,156	1,268	55,888	3,866	Milk	814				63,086
November	53,568	1,133	52,435	3,568		828				59,120
December	54,574	1,233	53,341	3,400		895				59,826

1/ Includes lowfat market milk and whole-milk equivalent of concentrated fluid milk.
2/ Total Class 1 includes yogurt and miscellaneous Class 1 products beginning in 1974.

TABLE 26. CLASS 1 SALES OF SELECTED FLUID MARKET MILK PRODUCTS, BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons)

Marketing Area	Market Whole Milk 1/	Market Lowfat Milk	Market Skim Milk	Half-and-Half	Total Class 1
Central Coast Co's	71,618,391	54,303,226	7,648,005	2,547,319	Sales of yogurt and miscellaneous Class 1 products not available by marketing areas
Redwood	11,480,346	9,188,951	1,265,475	420,558	
North Valley	42,960,556	31,178,430	3,334,300	933,915	
Central Valley	1,743,327	996,924	105,296	14,582	
South Valley	27,919,807	12,943,219	1,575,894	379,034	
Southern California	253,192,499	129,363,598	30,034,843	5,290,069	
Del Norte-Humboldt	2,205,350	1,541,707	198,387	50,511	
Out of Area	227,982	102,197	7,830	15,000	
STATE	411,348,258	239,618,252	44,170,030	9,650,988	719,614,966

1/ Includes whole-milk equivalent of concentrated market milk.

TABLE 27. TOTAL CLASS 1 SALES OF MARKET MILK PRODUCTS, BY MARKETING AREAS, CALIFORNIA, 1981 1/ (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	11,857,598	10,267,304	11,823,985	11,341,043	11,291,289	11,093,657	11,266,288	11,212,719	11,409,567	12,058,669	11,289,852	11,204,970
Redwood	2,017,662	1,738,017	1,970,773	1,855,027	1,844,620	1,818,772	1,911,318	1,818,248	1,846,760	1,921,346	1,796,184	1,816,603
North Valley	6,651,666	5,981,268	6,622,585	6,236,707	6,350,235	6,280,982	6,574,335	6,578,829	6,875,693	7,030,487	6,439,634	6,784,780
Central Valley	242,081	231,461	264,600	259,885	250,896	256,228	283,015	208,890	218,477	214,010	210,702	219,884
South Valley	3,653,363	3,293,077	3,689,108	3,562,707	3,571,762	3,434,994	3,722,621	3,482,670	3,649,754	3,656,445	3,587,589	3,513,864
Southern California	36,420,469	32,844,140	36,552,624	34,582,711	34,918,300	33,636,428	34,445,242	34,005,586	34,632,856	36,582,000	34,283,332	34,977,321
Del Norte-Humboldt	349,531	303,356	343,852	334,761	324,703	326,620	339,925	336,009	332,913	354,131	326,585	323,569
Out of Area	28,660	27,094	28,314	30,360	29,710	31,333	35,406	33,960	30,720	19,513	30,225	27,714
STATE	61,221,030	54,685,717	61,295,841	58,203,201	58,581,515	56,879,014	58,578,150	57,676,911	58,996,740	61,836,601	57,964,103	58,868,705

1/ Sales of yogurt and miscellaneous Class 1 products not available by marketing areas.

TABLE 28. TOTAL SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1981 1/ (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	10,971,484	9,483,963	10,934,656	10,463,014	10,417,863	10,223,226	10,408,262	10,359,667	10,575,000	11,172,791	10,454,554	10,377,757
Redwood	1,865,325	1,605,855	1,819,688	1,709,541	1,709,127	1,673,699	1,769,438	1,674,489	1,712,273	1,777,158	1,658,898	1,680,871
North Valley	6,298,397	5,653,644	6,262,050	5,884,892	5,990,508	5,902,991	6,195,655	6,215,472	6,514,930	6,660,029	6,096,047	6,423,090
Central Valley	231,420	221,244	253,069	247,905	239,544	244,239	270,076	200,500	210,193	205,952	202,709	211,528
South Valley	3,498,337	3,145,876	3,524,103	3,397,562	3,404,932	3,274,073	3,548,811	3,315,418	3,479,234	3,490,244	3,422,144	3,355,014
Southern California	33,271,090	30,004,017	33,277,798	31,542,312	31,789,234	30,760,518	31,679,510	31,346,701	31,771,940	33,499,025	31,398,327	32,195,474
Del Norte-Humboldt	327,548	284,282	321,524	312,638	303,065	304,822	316,974	314,721	312,925	332,516	307,116	304,474
Out of Area	27,000	25,400	26,559	28,374	27,801	29,224	33,046	31,722	28,629	18,388	28,109	25,927
STATE	56,490,601	50,424,281	56,419,447	53,586,238	53,882,074	52,412,792	54,221,772	53,458,690	54,605,124	57,156,103	53,567,904	54,574,135

1/ Sales of market whole milk and lowfat milk to the Federal Government are included.

TABLE 29. SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1981 1/ (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	10,772,660	9,236,836	10,686,135	10,221,900	10,181,585	9,959,670	10,128,634	10,089,651	10,306,663	10,889,252	10,204,301	10,116,966
Redwood	1,750,504	1,515,934	1,725,189	1,604,809	1,612,850	1,582,878	1,671,101	1,644,351	1,701,261	1,751,588	1,638,913	1,656,895
North Valley	6,178,906	5,520,010	6,128,007	5,749,903	5,867,311	5,781,192	6,065,840	6,026,165	6,314,290	6,460,259	5,904,664	6,215,176
Central Valley	171,140	163,846	186,791	183,736	179,088	182,866	200,436	200,500	210,193	205,952	202,709	211,528
South Valley	3,470,700	3,119,253	3,494,812	3,369,706	3,377,050	3,250,451	3,522,692	3,291,869	3,430,469	3,439,883	3,364,660	3,285,918
Southern California	32,444,209	29,247,423	32,357,083	30,775,570	31,068,695	30,104,225	30,939,310	30,630,389	31,010,594	32,791,668	30,784,998	31,524,609
Del Norte-Humboldt	326,925	283,704	320,841	312,063	302,286	304,107	316,261	314,046	312,184	331,598	306,446	303,920
Out of Area	27,000	25,400	26,559	28,374	27,801	29,224	33,046	31,722	28,629	18,388	28,109	25,927
STATE	55,142,044	49,112,406	54,925,417	52,246,061	52,616,666	51,194,613	52,877,320	52,228,693	53,314,283	55,888,588	52,434,800	53,340,939

1/ Sales of market whole milk and lowfat milk to the Federal Government are not included. They are shown separately in Table 30.

TABLE 30. SALES OF MARKET WHOLE MILK AND LOWFAT MILK TO THE FEDERAL GOVERNMENT, BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	198,824	247,127	248,521	241,114	236,278	263,556	279,628	270,016	268,337	283,539	250,253	260,791
Redwood	114,821	89,921	94,499	104,732	96,277	90,821	98,337	30,138	11,012	25,570	19,985	23,976
North Valley	119,491	133,634	134,043	134,089	123,197	121,799	129,815	189,307	200,640	199,770	191,383	207,914
Central Valley	60,280	57,398	66,278	64,169	60,456	61,373	69,640	---	---	---	---	---
South Valley	27,637	26,623	29,291	27,856	27,882	23,622	26,119	23,549	48,765	50,361	57,484	69,096
Southern California	826,881	756,594	920,715	766,742	720,539	656,293	740,200	716,312	761,346	707,357	613,329	670,865
Del Norte-Humboldt	623	578	683	575	779	715	713	675	741	918	670	554
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE	1,348,557	1,311,875	1,494,030	1,340,177	1,265,408	1,218,179	1,344,452	1,229,997	1,290,841	1,267,515	1,133,104	1,233,196

TABLE 31. SALES OF MARKET WHOLE MILK, BY MARKETING AREAS, CALIFORNIA, 1981 1/ (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	6,253,796	5,437,944	6,162,547	5,921,230	5,852,026	5,887,423	6,126,588	6,081,818	5,941,972	6,226,319	5,834,763	5,891,965
Redwood	1,046,270	899,518	1,013,016	944,298	939,483	936,581	1,004,694	944,738	939,349	972,985	909,267	930,147
North Valley	3,640,237	3,267,233	3,549,319	3,373,855	3,406,162	3,513,058	3,734,744	3,743,529	3,756,082	3,786,088	3,473,398	3,716,851
Central Valley	143,461	136,343	152,408	152,460	145,803	161,701	180,640	138,336	135,424	131,326	128,350	137,075
South Valley	2,371,878	2,132,350	2,339,229	2,295,756	2,264,693	2,302,881	2,547,632	2,380,121	2,338,081	2,333,477	2,300,085	2,313,624
Southern California	22,060,084	19,910,751	21,943,284	20,941,533	20,849,592	20,416,239	21,357,374	21,193,720	21,002,803	21,856,930	20,462,582	21,197,607
Del Norte-Humboldt	193,205	167,717	186,868	183,439	176,800	183,523	193,944	191,491	181,754	192,183	175,639	178,787
Out of Area	18,685	17,522	18,026	19,452	19,152	20,689	23,450	22,253	19,692	12,369	19,300	17,392
STATE	35,727,616	31,969,378	35,364,697	33,832,023	33,653,711	33,422,095	35,169,066	34,696,006	34,315,157	35,511,677	33,303,384	34,383,448

1/ Includes whole-milk equivalent of concentrated market milk.

TABLE 32. SALES OF LOWFAT MARKET MILK, BY MARKETING AREAS, CALIFORNIA, 1981 1/ (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	4,728,068	4,054,821	4,782,471	4,552,332	4,575,581	4,346,012	4,291,199	4,287,659	4,633,028	4,946,472	4,619,791	4,485,792
Redwood	821,293	708,494	809,171	767,694	772,026	739,470	761,170	732,161	772,924	804,173	749,631	750,724
North Valley	2,663,215	2,390,806	2,717,231	2,515,411	2,588,429	2,394,193	2,471,451	2,476,017	2,758,848	2,873,941	2,622,649	2,706,239
Central Valley	88,232	85,150	100,871	95,679	93,963	82,778	89,676	62,368	74,769	74,626	74,359	74,453
South Valley	1,127,419	1,014,375	1,185,804	1,102,667	1,141,106	972,305	1,002,304	935,870	1,141,153	1,156,767	1,122,059	1,041,390
Southern California	11,213,892	10,096,263	11,337,961	10,603,875	10,942,840	10,347,639	10,323,303	10,152,981	10,769,137	11,642,095	10,935,745	10,997,867
Del Norte-Humboldt	134,727	117,045	135,271	129,889	126,826	121,917	123,558	123,806	131,171	140,333	131,477	125,687
Out of Area	8,315	7,878	8,533	8,922	8,649	8,535	9,596	9,469	8,937	6,019	8,809	8,535
STATE	20,785,161	18,474,832	21,077,313	19,776,469	20,249,420	19,012,849	19,072,257	18,780,351	20,289,967	21,644,426	20,264,520	20,190,687

1/ These data are included in Tables 28, 29, 30, and 36 to 41 inclusive.

TABLE 33. SALES OF MARKET SKIM MILK, BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	667,665	589,420	676,309	657,379	654,797	646,815	630,507	627,696	626,451	665,601	616,920	588,445
Redwood	115,214	98,115	114,520	107,940	101,815	108,960	107,464	102,880	102,100	107,768	100,471	98,228
North Valley	276,171	255,888	284,095	275,310	279,745	290,163	281,848	276,883	285,065	293,357	264,858	270,917
Central Valley	9,353	9,001	10,225	10,625	9,915	10,393	11,094	6,949	7,107	6,960	6,762	6,912
South Valley	129,469	121,927	137,089	136,268	135,391	128,230	136,095	127,894	135,436	135,364	130,305	122,426
Southern California	2,709,989	2,441,904	2,821,038	2,600,112	2,685,769	2,431,554	2,305,797	2,225,206	2,443,276	2,639,342	2,433,134	2,297,722
Del Norte-Humboldt	17,331	15,122	17,639	17,446	17,073	16,820	17,793	16,055	15,768	17,309	15,385	14,646
Out of Area	644	560	608	653	658	691	802	782	737	308	748	639
STATE	3,925,836	3,531,937	4,061,523	3,805,733	3,885,163	3,633,626	3,491,400	3,384,345	3,615,940	3,866,009	3,568,583	3,399,935

TABLE 34. SALES OF HALF-AND-HALF, BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	208,069	185,119	202,658	210,102	208,885	213,407	217,994	215,546	208,116	220,277	218,378	238,768
Redwood	34,885	31,890	34,066	35,095	31,296	33,761	37,990	38,449	32,387	36,420	36,815	37,504
North Valley	72,043	67,341	71,940	72,131	75,899	83,568	86,292	82,400	75,698	77,101	78,729	90,773
Central Valley	1,035	967	1,096	1,121	1,215	1,356	1,605	1,237	1,177	1,098	1,231	1,444
South Valley	24,597	24,425	26,986	28,016	30,572	31,578	36,590	38,785	35,084	30,837	35,140	36,424
Southern California	436,504	395,222	450,341	437,191	440,099	440,996	458,768	433,679	417,640	443,633	451,871	484,125
Del Norte-Humboldt	4,268	3,472	4,074	3,987	4,004	4,360	4,630	4,657	4,220	4,306	4,084	4,449
Out of Area	1,016	1,134	1,147	1,333	1,251	1,418	1,558	1,456	1,354	817	1,368	1,148
STATE	782,417	709,570	792,308	788,976	793,221	810,444	845,427	816,209	775,676	814,489	827,616	894,635

TABLE 35. SALES OF CLASS 1 YOGURT, CALIFORNIA, 1977-1981 (Gallons)

	1977	1978	1979	1980	1981
January	840,848	946,944	1,041,653	1,270,994	1,116,434
February	840,189	955,134	979,654	1,375,360	1,176,634
March	1,000,518	1,047,265	1,112,377	1,431,460	1,332,044
April	1,002,256	999,083	1,120,263	1,418,033	1,252,399
May	1,024,513	1,099,612	1,241,333	1,482,010	1,302,825
June	982,821	979,419	1,171,482	1,393,047	1,388,540
July	954,406	966,629	1,155,436	1,361,068	1,335,357
August	1,047,699	965,313	1,252,284	1,295,974	1,197,118
September	1,038,497	949,304	1,288,544	1,316,919	1,211,423
October	997,270	1,075,560	1,437,105	1,350,747	1,245,992
November	893,752	871,461	1,184,802	1,078,230	1,150,738
December	768,518	787,560	1,090,876	998,967	952,406
TOTAL	11,391,287	11,643,264	14,075,809	15,752,809	14,661,910

TABLE 36. SALES OF FLUID MILK 1/, BY TYPE OF TRADE, CALIFORNIA 1964-1981
(Thousand Gallons)

	Wholesale	Retail	Cash-and-Carry	Peddler	Federal Government	Total
1964	300,032	118,045	43,965	52,020	36,625	550,687
1965	312,380	112,470	41,544	53,481	34,989	554,864
1966	328,760	105,551	39,502	56,473	41,792	572,078
1967	340,231	94,689	37,919	57,665	40,897	571,401
1968	350,504	83,247	35,293	59,935	40,181	569,160
1969	361,007	71,788	33,587	62,570	37,630	566,582
1970	379,699	49,879	31,690	73,051	32,626	566,945
1971	392,862	36,244	26,471	82,058	30,396	568,031
1972	416,564	31,096	24,880	89,512	30,628	592,680
1973	428,065	26,436	21,495	93,488	30,178	599,662
1974	439,995	16,668	18,779	96,472	27,973	599,887
1975	462,723	11,208	15,179	95,128	23,428	607,666
1976	488,481	8,610	12,141	101,974	21,683	632,889
1977	516,333	6,631	9,850	92,146	20,254	645,214
1978	538,073	5,534	8,607	83,983	18,077	654,274
1979	552,364	4,650	7,596	80,735	17,203	662,548
1980	552,691	2,814	6,509	76,682	16,245	654,941
1981	553,703	2,130	5,465	74,024	15,477	650,799
1978						
January	45,145	557	801	7,227	1,565	55,295
February	41,290	485	700	6,542	1,441	50,458
March	46,068	534	761	7,100	1,589	56,052
April	43,370	496	743	6,787	1,477	52,873
May	45,316	529	726	7,323	1,465	55,359
June	43,533	428	669	6,712	1,440	52,782
July	43,307	378	650	6,550	1,442	52,327
August	45,391	391	700	7,187	1,547	55,216
September	46,234	468	721	7,403	1,537	56,363
October	48,011	461	738	7,738	1,553	58,501
November	45,834	421	752	7,006	1,559	55,572
December	44,574	386	646	6,408	1,462	53,476
1979						
January	48,164	439	703	7,041	1,597	57,944
February	43,007	394	634	6,272	1,409	51,716
March	48,192	462	677	6,928	1,559	57,818
April	44,469	393	645	6,459	1,383	53,349
May	46,981	412	644	7,151	1,482	56,670
June	43,630	338	581	6,491	1,451	52,491
July	43,962	314	619	6,529	1,355	52,779
August	46,531	308	655	6,758	1,403	55,655
September	45,604	418	603	6,641	1,398	54,664
October	49,118	424	654	7,263	1,461	58,920
November	47,063	392	606	6,841	1,428	56,330
December	45,643	356	575	6,361	1,277	54,212
1980						
January	47,800	342	602	6,713	1,434	56,891
February	45,162	324	574	6,339	1,338	53,737
March	46,309	273	585	6,496	1,365	55,028
April	45,172	259	562	6,390	1,398	53,781
May	46,594	276	576	6,860	1,339	55,645
June	42,995	228	512	5,850	1,172	50,757
July	45,703	205	508	6,236	1,380	54,032
August	45,108	173	514	6,189	1,320	53,304
September	46,506	186	533	6,701	1,373	55,299
October	49,166	193	551	6,671	1,456	58,037
November	45,073	163	488	6,151	1,338	53,213
December	47,103	192	504	6,086	1,332	55,217
1981						
January	48,386	190	514	6,051	1,349	56,490
February	42,788	171	485	5,669	1,312	50,425
March	47,759	180	540	6,447	1,494	56,420
April	45,450	175	504	6,116	1,340	53,585
May	45,735	173	497	6,212	1,265	53,882
June	44,747	187	375	5,886	1,218	52,413
July	46,017	169	419	6,272	1,344	54,221
August	45,596	163	410	6,060	1,230	53,459
September	46,229	178	451	6,456	1,291	54,605
October	48,605	186	453	6,645	1,268	57,157
November	45,721	174	414	6,126	1,133	53,568
December	46,670	184	403	6,084	1,233	54,574

1/ Sales of lowfat milk are included.

TABLE 37. SALES OF FLUID MILK BY TYPE OF TRADE BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons) 1/

Marketing Area	Wholesale	Retail	Cash-and-Carry	Peddler	Federal Government	Total
Central Coast Co's	111,248,872	142,144	448,538	10,954,699	3,047,984	125,842,237
Redwood	16,594,353	---	196,698	3,065,222	800,089	20,656,362
North Valley	56,265,022	43,816	63,594	15,839,291	1,885,982	74,097,705
Central Valley	1,971,003	---	---	327,782	439,594	2,738,379
South Valley	30,369,828	774,178	581,683	8,691,774	438,285	40,855,748
Southern California	334,680,264	1,160,300	4,141,429	33,696,780	8,857,173	382,535,946
Del Norte-Humboldt	2,573,839	9,122	33,030	1,118,390	8,224	3,742,605
Out of Area	---	---	---	330,179	---	330,179
STATE	553,703,181	2,129,560	5,464,972	74,024,117	15,477,331	650,799,161

1/ Lowfat milk is included.

TABLE 38. WHOLESALE SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons) 1/

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	9,726,673	8,345,447	9,625,703	9,163,413	9,109,815	9,035,906	9,219,298	9,224,619	9,387,702	9,900,286	9,290,488	9,219,522
Redwood	1,439,620	1,229,105	1,401,327	1,339,833	1,355,990	1,351,711	1,422,800	1,401,040	1,409,997	1,459,841	1,371,455	1,411,634
North Valley	4,895,815	4,248,669	4,688,654	4,501,585,	4,586,802	4,564,388	4,716,053	4,716,142	4,842,550	5,009,054	4,599,125	4,896,185
Central Valley	150,412	142,448	157,812	156,082	151,735	154,234	170,788	172,893	181,516	176,453	174,630	182,000
South Valley	2,672,950	2,373,805	2,642,814	2,563,907	2,542,756	2,425,062	2,634,170	2,456,558	2,558,037	2,536,074	2,548,755	2,414,940
Southern California	29,273,296	26,252,523	29,021,699	27,508,765	27,780,432	27,004,046	27,641,065	27,405,928	27,638,615	29,296,469	27,523,811	28,333,615
Del Norte-Humboldt	227,726	195,825	221,216	216,850	207,652	211,367	212,693	218,700	210,169	226,394	213,021	212,226
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE	48,386,492	42,787,822	47,759,225	45,450,435	45,735,182	44,746,714	46,016,867	45,595,880	46,228,586	48,604,571	45,721,285	46,670,122

1/ Sales to institutions are included.

TABLE 39. RETAIL HOME-DELIVERED SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons)

Marketing area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	14,047	11,745	12,588	11,952	12,302	12,152	11,719	11,732	11,571	11,214	10,745	10,377
Redwood	---	---	---	---	---	---	---	---	---	---	---	---
North Valley	4,049	3,659	3,812	3,908	3,702	3,830	3,835	3,275	3,470	3,432	3,432	3,412
Central Valley	---	---	---	---	---	---	---	---	---	---	---	---
South Valley	69,074	61,678	63,547	62,019	61,408	57,232	60,016	56,243	67,995	71,533	68,739	74,694
Southern California	101,600	93,006	99,064	96,531	94,839	112,796	92,952	91,080	94,726	99,155	90,143	94,408
Del Norte-Humboldt	837	735	777	653	763	818	751	818	781	779	712	698
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE	189,607	170,823	179,788	175,063	173,014	186,828	169,273	163,148	178,543	186,113	173,771	183,589

TABLE 40. CASH-AND-CARRY SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons)

Central Coast Co's	72,375	68,637	75,372	72,237	71,488	11,098	13,701	16,680	13,376	11,445	11,623	10,506
Redwood	16,648	15,503	17,591	16,627	15,106	16,465	19,694	17,069	18,504	15,927	13,958	13,606
North Valley	8,207	6,932	5,792	5,833	5,707	3,295	3,079	3,497	3,831	5,320	6,467	5,634
Central Valley	---	---	---	---	---	---	---	---	---	---	---	---
South Valley	44,015	42,771	48,694	45,462	46,797	45,866	53,581	50,087	51,952	52,527	48,853	51,078
Southern California	369,299	347,471	388,734	360,501	354,543	296,180	326,574	320,629	361,519	364,855	331,514	319,610
Del Norte-Humboldt	3,763	3,573	3,483	3,583	3,091	2,430	2,345	2,019	2,017	2,700	1,685	2,341
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE	514,307	484,887	539,666	504,243	496,732	375,334	418,974	409,981	451,199	452,774	414,100	402,775

TABLE 41. PEDDLER SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1981 (Gallons)

Central Coast Co's	959,565	811,007	972,472	974,298	987,980	900,514	883,916	836,620	894,014	966,307	891,445	876,561
Redwood	294,236	271,326	306,271	248,349	241,754	214,702	228,607	226,242	272,760	275,820	253,500	231,655
North Valley	1,270,835	1,260,750	1,429,749	1,238,577	1,271,100	1,209,679	1,342,873	1,303,251	1,464,439	1,442,453	1,295,640	1,309,945
Central Valley	20,728	21,398	28,979	27,654	27,353	28,632	29,648	27,607	28,677	29,499	28,079	29,528
South Valley	684,661	640,999	739,757	698,318	726,089	722,291	774,925	728,981	752,485	779,749	698,313	745,206
Southern California	2,700,014	2,554,423	2,847,586	2,809,773	2,838,881	2,691,203	2,878,719	2,812,752	2,915,734	3,031,189	2,839,530	2,776,976
Del Norte-Humboldt	94,599	83,571	95,365	90,977	90,780	89,492	100,472	92,509	99,217	101,725	91,028	88,655
Out of Area	27,000	25,400	26,559	28,374	27,801	29,224	33,046	31,722	28,629	18,388	28,109	25,927
STATE	6,051,638	5,668,874	6,446,738	6,116,320	6,211,738	5,885,737	6,272,206	6,059,684	6,455,955	6,645,130	6,125,644	6,084,453

DAIRY PRODUCTS MANUFACTURED

Approximately 192 million pounds of butter were manufactured in California during 1981. This was 3.9 percent more than 1980 and more than twice the amount produced 10 years earlier in 1971.

The total manufacture of cheese, other than cottage cheese, in California during 1981 was approximately 211 million pounds. This production was 16.1 percent more than in 1980 and about 10 times the amount produced 10 years earlier. Of the cheese manufactured in 1981 approximately 107 million pounds were whole-milk varieties and 103 million pounds were part-skim and full-skim varieties. Between 1980 and 1981, the manufacture of whole-milk cheese increased 32.9 percent and the manufacture of part-skim and full-skim cheese rose 2.6 percent. Table 46 presents the annual manufacture of cheese in California by major varieties for 1970 through 1981.

During 1981, approximately 97 million pounds of cottage cheese (dry curd) were manufactured in California. The addition of creaming mixtures to this curd resulted in an output of 91.6 million pounds of cottage cheese and 51.3 million pounds of lowfat cottage cheese. The approximate combined total of 143.0 million pounds manufactured represents cottage cheese in the form in which most of it is consumed. Between 1980 and 1981, the manufacture of cottage cheese and lowfat cottage cheese combined decreased approximately 2.4 percent. The manufacture of lowfat cottage cheese increased 2.8 percent while the manufacture of cottage cheese decreased 5.2 percent.

During 1981 approximately 123 million pounds of bulk unsweetened condensed skim milk were manufactured. This amounted to 6.1 percent less than was manufactured during 1980.

During 1981 approximately 263 million pounds of nonfat-dry-milk for human consumption and 2.0 million pounds of nonfat-dry-milk for animal feed were manufactured in California. This was an increase of 8.5 percent from 1980 for nonfat-dry-milk for human consumption and 24.9 percent for nonfat-dry-milk for animal feed.

Approximately 10.6 million gallons of fluid buttermilk were manufactured in California during 1981. This was 1.8 percent less than the output during 1980.

The manufacture of frozen dairy products in California during 1981 included approximately 94.2 million gallons of ice cream; 28.4 million gallons of ice milk; 5.0 million gallons of sherbet; 1.0 million gallons of imitation ice cream; and 0.8 million gallons of imitation ice milk. The approximate total of 129 million gallons was 2.0 percent more than that manufactured during 1980. The above figures do not include approximately 2.9 million gallons of frozen yogurt manufactured in California in 1981. From 1980 to 1981 the manufacture of ice cream rose 3.8 percent. During the same period the manufacture of ice milk decreased 1.3 percent, the manufacture of sherbet decreased 1.3 percent, the manufacture of imitation ice cream dropped 26.3 percent, and the manufacture of imitation ice milk was down 18.5 percent.

TABLE 42. MANUFACTURE OF BUTTER IN CALIFORNIA 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	8,054,108	9,386,274	10,747,814	10,962,167	12,592,617	13,936,278	14,651,221	16,389,834	13,706,153	17,472,840	18,269,455
February	6,879,022	8,601,168	9,148,061	9,989,288	11,202,981	12,275,942	12,123,977	13,686,543	11,204,275	14,368,038	15,261,939
March	7,564,415	9,210,063	9,896,787	10,151,825	11,694,039	13,381,540	14,640,591	13,185,028	10,475,405	15,021,046	17,293,307
April	8,039,861	9,400,225	9,089,760	11,072,643	12,346,089	12,676,329	12,989,137	11,994,616	12,368,969	15,708,064	16,438,185
May	8,763,745	10,208,949	9,311,851	11,202,095	12,152,798	13,157,264	14,192,474	11,799,244	12,422,328	16,267,872	16,086,130
June	8,850,557	10,239,096	9,261,617	10,944,203	10,661,744	12,762,151	13,486,607	10,409,551	11,563,892	14,940,750	14,212,188
July	9,243,880	9,933,906	9,037,054	11,306,455	11,825,001	12,262,099	12,721,550	11,422,898	12,035,293	15,712,291	13,882,773
August	7,925,429	9,876,689	8,991,494	10,995,455	11,774,787	12,853,778	12,038,240	10,539,619	12,783,856	14,458,690	14,769,701
September	7,231,483	9,314,115	8,054,716	9,914,230	10,514,034	11,398,496	11,806,168	11,203,995	12,166,567	15,861,546	15,217,859
October	7,658,628	9,226,107	9,537,611	10,197,702	10,564,615	11,857,142	13,231,827	9,629,160	12,738,973	15,906,239	18,197,073
November	6,468,192	8,167,524	8,163,152	8,643,438	9,993,856	9,275,922	11,621,442	8,443,751	12,250,821	13,560,172	15,647,474
December	7,777,524	8,814,959	8,855,105	10,229,583	10,326,667	11,198,867	13,439,129	10,230,387	13,250,536	15,905,969	17,084,388
Total	94,456,844	112,379,075	110,095,022	125,609,084	135,649,228	147,035,808	156,942,363	138,934,626	146,967,068	185,183,517	192,360,472

TABLE 43. MANUFACTURE OF CHEESE (EXCLUDING COTTAGE CHEESE) IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	1,496,209	1,749,741	2,233,308	4,649,592	6,202,997	7,476,324	8,158,312	10,328,275	10,766,265	14,352,620	17,117,546
February	1,473,051	1,852,245	2,289,013	4,484,033	5,876,912	7,637,086	8,118,298	9,626,606	10,342,118	13,146,565	15,422,383
March	1,813,121	2,169,374	2,899,174	5,033,831	6,665,847	9,044,514	9,878,286	11,967,421	12,547,113	15,308,768	16,529,001
April	1,831,925	2,087,511	3,292,223	5,435,744	6,286,724	9,559,424	9,916,529	10,775,623	11,842,136	14,946,930	17,722,116
May	1,795,866	2,301,725	3,819,122	5,872,282	7,471,913	10,379,926	11,314,658	11,310,657	12,228,238	13,378,250	17,815,483
June	1,901,027	2,271,378	3,874,440	5,432,056	8,217,868	11,023,764	11,029,671	11,456,958	12,025,544	14,002,562	17,536,362
July	1,953,635	2,231,925	4,372,380	5,887,643	9,399,952	10,103,545	11,163,118	11,853,075	12,778,746	14,398,465	18,854,750
August	1,831,189	2,331,216	4,374,188	5,893,822	9,615,096	10,392,298	11,243,315	12,447,630	13,591,125	14,636,988	18,978,505
September	1,798,936	2,254,258	4,142,191	5,635,315	8,455,844	9,128,563	10,723,482	11,894,911	12,093,152	16,334,455	17,900,474
October	1,837,531	2,337,710	4,713,454	6,064,461	8,152,451	8,804,821	10,997,352	11,701,208	13,954,023	16,642,842	17,655,878
November	1,951,563	2,434,166	4,539,707	6,150,569	7,985,092	9,188,693	11,466,235	11,821,115	14,887,518	17,080,435	17,263,035
December	2,104,368	2,582,889	5,038,116	5,886,396	8,544,711	9,374,902	11,767,975	11,773,045	14,747,070	17,232,681	17,880,507
Total	21,788,421	26,604,138	45,587,316	66,425,744	92,875,407	112,113,860	125,777,231	136,956,524	151,803,048	181,461,561	210,676,040

TABLE 44. MANUFACTURE OF WHOLE-MILK CHEESE IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	772,853	828,124	1,005,239	1,560,920	1,511,660	2,042,267	2,294,249	3,103,047	3,294,742	5,793,911	7,405,476
February	774,128	851,135	1,029,721	1,486,849	1,377,894	2,059,710	2,481,482	3,040,349	3,441,575	5,332,701	6,861,335
March	913,213	1,086,918	1,317,267	1,809,457	1,646,762	2,535,844	3,477,078	4,226,157	4,467,087	6,273,763	7,658,588
April	958,858	1,074,269	1,307,023	1,846,736	1,452,349	2,634,464	3,066,458	3,368,812	4,162,377	6,577,656	7,946,504
May	959,539	1,082,202	1,495,538	1,924,140	1,813,742	2,388,070	3,435,374	3,898,227	4,100,322	6,988,406	7,940,171
June	1,016,105	1,200,892	1,452,816	1,669,649	2,007,923	2,701,323	3,233,817	3,867,179	4,359,996	7,447,266	8,290,020
July	1,099,287	1,124,210	1,514,552	1,827,988	2,085,959	2,663,221	3,433,669	3,728,329	4,422,971	7,779,555	10,393,659
August	977,487	1,260,285	1,724,906	1,936,283	2,033,691	2,715,814	3,314,091	4,015,751	4,559,802	6,785,922	10,685,986
September	916,792	1,258,509	1,443,974	1,708,975	1,891,202	2,628,726	3,370,561	3,841,589	4,261,523	7,061,751	10,014,976
October	982,789	1,277,908	1,617,688	1,846,738	2,314,405	2,795,602	3,576,313	4,011,264	5,796,295	6,479,511	9,734,609
November	993,360	1,218,580	1,800,186	1,953,805	2,161,720	3,128,518	4,274,277	4,335,231	6,730,691	7,141,578	10,296,183
December	1,074,602	1,273,928	1,827,587	1,735,493	2,405,543	3,014,070	4,059,110	3,984,139	6,327,398	7,043,474	10,029,239
Total	11,439,013	13,536,960	17,536,497	21,307,033	22,702,850	31,307,629	40,016,479	45,420,074	55,924,779	80,705,494	107,256,746

TABLE 45. MANUFACTURE OF PART-SKIM AND FULL-SKIM CHEESE IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	723,356	921,617	1,228,069	3,088,672	4,691,337	5,434,057	5,864,063	7,225,228	7,471,523	8,558,709	9,712,070
February	698,923	1,001,110	1,259,292	2,997,184	4,499,018	5,577,376	5,636,816	6,586,257	6,900,543	7,813,864	8,561,048
March	899,908	1,082,456	1,581,907	3,224,374	5,019,085	6,508,670	6,401,208	7,741,264	8,080,026	9,035,005	8,870,413
April	873,067	1,013,242	1,985,200	3,589,008	4,834,375	6,924,960	6,850,071	7,406,811	7,679,759	8,369,274	9,775,612
May	836,327	1,219,523	2,323,584	3,948,142	5,658,171	7,991,856	7,879,284	7,412,430	8,127,916	6,389,844	9,875,312
June	884,922	1,070,486	2,421,624	3,762,407	6,209,945	8,322,441	7,795,854	7,589,779	7,665,548	6,555,296	9,246,342
July	854,348	1,107,715	2,857,828	4,059,655	7,313,993	7,440,324	7,729,449	8,124,746	8,355,775	6,857,433	8,461,091
August	853,702	1,070,931	2,649,282	3,957,539	7,581,405	7,676,484	7,929,224	8,431,879	9,031,323	7,612,543	8,292,519
September	882,144	995,749	2,698,217	3,926,340	6,564,642	6,499,837	7,352,921	8,053,322	7,831,629	9,272,704	7,885,498
October	854,742	1,059,802	3,095,766	4,217,723	5,838,046	6,009,219	7,421,039	7,689,944	8,157,728	10,163,331	7,921,269
November	958,203	1,215,586	2,739,521	4,196,764	5,823,372	6,060,175	7,191,958	7,485,884	8,156,827	9,938,857	6,966,852
December	1,029,766	1,308,961	3,210,529	4,150,903	6,139,168	6,360,832	7,708,865	7,788,906	8,419,672	10,189,207	7,851,268
Total	10,349,408	13,067,178	28,050,819	45,118,711	70,172,557	80,806,231	85,760,752	91,536,450	95,878,269	100,756,067	103,419,294

TABLE 46. MANUFACTURE OF CHEESE (EXCLUDING COTTAGE CHEESE), BY VARIETIES, IN CALIFORNIA, 1970-1981 (Pounds)

	WHOLE-MILK							
	American cheddar	Monterey	Cream	Italian	Other Varieties	All Varieties	Part-skim and Full-skim (All varieties)	Total
1970	382,133	2,052,034	1,666,154	3,340,521	1,372,068	8,812,910	8,646,761	17,459,671
1971	528,920	2,722,118	1,905,627	4,855,118	1,427,230	11,439,013	10,349,408	21,788,421
1972	456,661	3,192,204	2,229,750	6,095,470	1,562,875	13,536,960	13,067,178	26,604,138
1973	932,836	4,170,950	3,009,665	7,716,990	1,706,056	17,536,497	28,050,819	45,587,316
1974	1,217,078	4,185,017	3,698,368	10,669,735	1,536,835	21,307,033	45,118,711	66,425,744
1975	1,044,126	4,390,338	4,728,098	10,957,821	1,582,467	22,702,850	70,172,557	92,875,407
1976	2,229,402	6,255,894	6,121,087	15,037,311	1,663,935	31,307,629	80,806,231	112,113,860
1977	4,907,528	7,428,076	8,602,083	17,848,167	1,230,625	40,016,479	85,760,752	125,777,231
1978	6,104,926	9,240,999	9,489,692	19,430,775	1,153,682	45,420,074	91,536,450	136,956,524
1979	12,608,285	10,892,975	9,718,490	21,449,818	1,255,231	55,924,799	95,878,269	151,803,068
1980	36,421,283	11,284,408	7,170,170	24,402,956	1,426,677	80,705,494	100,756,067	181,461,561
1981	57,137,034	13,806,456	8,564,955	26,354,122	1,394,179	107,256,746	103,419,294	210,676,040

TABLE 47. MANUFACTURE OF COTTAGE CHEESE (DRY CURD) IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	9,601,461	9,523,517	9,848,332	9,647,590	8,772,633	8,784,816	8,821,369	8,555,193	8,553,584	8,388,650	8,316,490
February	9,025,177	9,167,890	9,249,555	8,979,980	8,311,003	8,198,303	8,086,778	8,048,785	7,692,518	8,100,555	7,564,786
March	10,431,343	10,419,029	10,511,685	9,880,725	8,769,151	9,343,707	9,207,129	9,127,474	9,124,044	8,786,304	8,423,881
April	9,842,010	9,521,865	10,157,696	9,290,489	8,466,937	8,838,416	8,840,526	8,766,513	8,407,773	8,650,741	8,486,280
May	9,997,454	10,221,717	10,480,321	9,639,003	9,424,678	9,691,827	9,247,397	9,521,989	9,175,161	8,742,730	9,102,668
June	9,622,262	9,494,136	10,016,360	9,318,624	9,065,336	9,290,274	9,141,362	8,960,525	8,682,715	8,494,076	9,119,751
July	9,697,511	9,601,450	10,048,587	9,546,019	8,852,506	9,427,987	8,908,293	8,498,589	8,550,961	9,016,215	8,997,098
August	10,046,280	9,911,099	9,722,168	9,368,456	8,650,326	9,076,138	9,170,486	9,048,073	8,962,626	8,932,936	8,444,538
September	9,567,134	9,266,463	8,980,985	9,107,393	8,502,292	9,050,109	8,815,959	8,750,809	8,637,639	8,224,678	7,864,806
October	9,130,465	9,354,201	9,625,066	9,276,813	8,788,308	8,985,906	8,744,202	9,122,082	8,761,860	8,449,034	7,413,406
November	8,251,008	8,588,815	8,631,898	8,301,323	7,895,481	8,467,297	8,172,446	7,892,489	7,344,452	7,823,489	7,117,964
December	8,131,448	8,233,902	8,190,118	7,800,942	7,593,574	7,442,166	7,683,556	7,164,394	7,528,050	7,279,978	6,624,347
Total	113,343,553	113,304,084	115,462,771	110,157,357	103,092,225	106,596,946	104,839,503	103,456,915	101,421,383	100,889,386	97,476,015

TABLE 48. MANUFACTURE OF LOWFAT COTTAGE CHEESE (PARTIALLY-CREAMED) IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	2,768,981	3,002,448	3,752,615	3,652,816	3,470,980	3,616,842	3,600,474	3,764,804	3,843,544	4,061,641	4,209,653
February	2,575,713	3,088,873	3,427,589	3,374,184	3,084,193	3,430,932	3,345,070	3,488,713	3,495,923	3,883,595	3,878,860
March	3,070,945	3,621,186	3,834,360	3,649,387	3,455,308	3,888,849	3,768,905	4,096,729	4,135,972	4,180,645	4,402,320
April	2,893,124	3,208,813	3,803,646	3,400,144	3,498,758	3,619,523	3,626,851	3,903,565	3,936,209	4,286,549	4,475,300
May	2,999,746	3,572,752	3,919,410	3,621,149	3,954,872	3,919,527	3,899,727	4,361,463	4,411,876	4,338,204	4,929,638
June	2,962,619	3,392,189	3,691,540	3,387,994	3,698,119	3,794,034	3,608,846	4,003,132	3,976,245	4,332,653	4,749,096
July	3,035,342	3,355,660	3,517,045	3,474,205	3,681,714	3,792,626	3,399,140	3,692,613	3,996,987	4,646,651	4,675,398
August	2,924,012	3,527,609	3,592,990	3,416,813	3,407,600	3,633,665	3,749,424	3,897,303	4,100,634	4,391,793	4,272,917
September	2,889,010	3,232,254	3,282,688	3,284,650	3,440,069	3,658,316	3,695,580	3,817,076	3,950,592	4,145,787	4,209,363
October	2,838,673	3,351,793	3,525,453	3,400,493	3,554,722	3,577,577	3,651,488	3,945,632	4,084,960	4,314,793	4,065,081
November	2,599,873	2,950,597	3,181,226	3,009,683	3,138,655	3,376,688	3,565,145	3,520,483	3,473,883	3,762,716	3,857,898
December	2,461,896	2,683,551	2,849,687	2,824,548	3,062,314	3,043,142	3,262,509	3,155,652	3,382,094	3,535,297	3,578,737
Total	34,019,934	38,987,725	42,378,249	40,496,066	41,447,304	43,351,721	43,173,159	45,647,165	46,788,919	49,880,324	51,304,261

TABLE 49. MANUFACTURE OF COTTAGE CHEESE (CREAMED COTTAGE CHEESE) IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	11,598,698	11,421,523	10,804,752	9,745,751	8,956,412	8,310,661	8,681,220	8,298,828	8,444,323	8,223,870	7,665,950
February	10,770,307	10,984,962	9,875,845	8,949,872	7,710,650	8,206,176	8,099,161	7,760,148	7,565,154	7,826,150	7,115,675
March	12,391,930	12,288,952	11,245,319	9,832,001	8,747,378	9,315,200	8,892,550	8,832,732	8,869,190	8,525,449	7,902,243
April	11,537,411	10,931,491	10,980,159	9,196,416	8,669,944	8,868,354	8,609,387	8,437,073	8,380,940	8,342,269	7,830,824
May	11,578,700	11,817,638	11,313,984	9,862,835	9,101,057	10,146,033	9,131,717	9,193,496	8,879,447	8,289,668	8,259,049
June	11,388,592	10,989,934	10,581,870	9,176,694	9,112,443	9,343,647	9,153,393	8,809,945	8,604,792	8,205,420	8,255,515
July	11,674,640	11,049,667	10,389,940	9,306,534	9,050,408	9,356,554	8,993,469	8,496,558	8,718,928	8,548,389	8,220,776
August	11,768,516	11,183,105	9,895,712	9,182,377	8,885,774	9,131,928	9,053,997	8,779,886	8,854,460	8,530,618	7,800,747
September	11,502,850	10,286,780	8,941,931	8,893,337	8,691,062	9,068,372	8,583,848	8,407,266	8,518,996	7,891,790	7,605,910
October	10,993,969	10,540,685	9,851,435	9,076,318	8,629,939	8,967,540	8,580,982	8,969,546	8,595,947	8,200,186	7,341,109
November	10,363,337	9,684,005	8,744,174	8,025,690	7,821,195	8,461,539	8,042,024	7,769,617	7,523,897	7,302,111	7,053,774
December	9,722,919	8,976,748	8,311,238	7,717,472	7,700,769	7,762,676	7,642,962	6,980,292	7,477,502	6,762,964	6,598,175
Total	135,291,869	130,155,490	120,936,359	108,965,297	103,077,031	106,938,680	103,464,710	100,735,387	100,433,576	96,648,884	91,649,747

TABLE 50. MANUFACTURE OF COTTAGE CHEESE AND LOWFAT COTTAGE CHEESE IN CALIFORNIA 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	14,367,679	14,423,971	14,557,367	13,398,567	12,427,392	11,927,503	12,281,694	12,063,632	12,287,867	12,285,511	11,875,603
February	13,346,020	14,073,835	13,303,434	12,324,056	10,794,843	11,637,108	11,444,231	11,248,861	11,061,077	11,709,745	10,994,535
March	15,462,875	15,910,138	15,079,679	13,481,388	12,202,686	13,204,049	12,661,455	12,929,461	13,005,162	12,706,094	12,304,563
April	14,430,535	14,140,304	14,783,805	12,596,560	12,168,702	12,487,877	12,236,238	12,340,638	12,317,149	12,628,818	12,306,124
May	14,578,446	15,390,390	15,233,394	13,483,984	13,055,929	14,065,560	13,031,444	13,554,959	13,291,323	12,627,872	13,188,687
June	14,351,211	14,382,123	14,273,410	12,564,688	12,810,562	13,137,681	12,762,239	12,813,077	12,581,037	12,538,073	13,004,611
July	14,709,982	14,405,327	13,906,985	12,780,739	12,732,122	13,149,180	12,392,609	12,189,171	12,715,915	13,195,040	12,896,174
August	14,692,528	14,710,714	13,488,702	12,599,190	12,293,374	12,765,593	12,803,421	12,677,189	12,955,094	12,922,411	12,073,664
September	14,391,860	13,519,034	12,224,619	12,177,987	12,131,131	12,726,688	12,279,428	12,224,342	12,469,588	12,037,577	11,815,273
October	13,832,642	13,892,478	13,376,888	12,476,811	12,184,661	12,545,117	12,232,470	12,915,178	12,680,907	12,514,979	11,406,190
November	12,963,210	12,634,602	11,925,400	11,035,373	10,959,850	11,838,227	11,607,169	11,290,100	10,997,780	11,064,827	10,911,672
December	12,184,815	11,660,299	11,160,925	10,542,020	10,763,083	10,805,818	10,905,471	10,135,944	10,859,596	10,298,261	10,176,912
Total	169,311,803	169,143,215	163,314,608	149,461,363	144,524,335	150,290,401	146,637,869	146,382,552	147,222,495	146,529,208	142,954,008

TABLE 51. MANUFACTURE OF CONDENSED SKIM MILK (UNSWEETENED, BULK GOODS) IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	7,479,117	7,915,813	10,433,802	9,618,695	9,165,078	8,081,236	9,791,654	9,268,658	8,584,679	9,476,052	9,868,071
February	8,113,349	7,397,041	10,594,210	8,811,569	7,626,459	8,201,451	8,328,236	7,214,443	7,120,651	9,711,197	9,459,283
March	9,832,492	9,100,013	12,483,369	9,978,255	10,450,273	9,840,149	11,011,688	8,853,721	8,760,017	10,154,329	9,388,627
April	10,222,568	10,431,371	13,233,224	10,940,951	10,763,924	10,614,597	11,642,026	8,659,040	8,655,491	10,989,971	10,700,235
May	10,856,924	12,357,413	12,853,921	11,089,064	11,468,445	11,850,413	11,066,750	9,058,303	9,639,221	11,671,242	9,812,147
June	11,636,694	12,443,048	12,474,890	11,595,566	14,741,690	12,855,870	12,452,324	10,009,188	9,246,262	12,146,707	10,418,619
July	12,773,009	12,481,597	12,874,086	13,153,165	13,026,091	12,124,769	12,143,686	9,853,672	11,642,227	12,311,181	11,349,757
August	11,146,001	13,439,715	11,706,891	11,506,969	11,359,065	14,263,072	12,014,477	10,103,618	11,964,264	12,401,967	10,236,911
September	8,944,380	10,941,279	10,464,241	8,413,245	10,234,208	11,613,428	10,573,345	8,857,169	9,834,736	11,008,721	9,523,691
October	9,881,969	11,462,009	9,611,800	8,993,785	10,438,376	9,015,675	10,347,985	9,863,190	11,297,223	10,517,682	10,294,324
November	8,035,012	11,353,342	9,693,914	8,225,159	9,021,033	10,299,855	10,199,332	9,065,406	9,362,524	10,300,488	10,949,862
December	8,786,332	9,171,099	6,768,616	11,234,731	9,159,881	9,641,787	12,511,926	8,692,871	10,396,026	10,345,447	10,981,930
Total	117,707,847	128,493,740	133,192,964	123,561,154	127,454,523	128,402,302	132,083,429	109,499,279	116,503,321	131,034,984	122,983,457

TABLE 52. MANUFACTURE OF NONFAT-DRY-MILK FOR HUMAN CONSUMPTION, IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	6,310,274	7,514,867	9,253,676	7,475,740	9,035,862	10,791,036	10,569,350	12,884,450	8,962,224	15,454,077	18,455,445
February	6,280,548	9,139,125	8,797,675	7,804,479	9,503,929	10,851,296	11,593,076	11,016,653	8,304,622	14,475,250	17,534,067
March	8,144,705	11,828,670	10,037,828	9,830,353	10,833,292	12,610,301	13,315,478	11,648,330	11,524,576	16,033,128	21,114,324
April	11,765,284	14,106,455	11,792,706	12,958,129	13,377,070	15,492,510	16,561,669	13,698,670	15,928,614	20,152,911	22,446,860
May	13,530,215	16,449,046	14,205,994	15,253,087	16,079,604	16,455,018	17,671,645	14,977,989	18,559,318	24,481,766	23,613,380
June	16,151,532	15,945,164	13,915,579	15,662,440	15,802,979	16,401,921	18,549,932	16,111,259	19,938,666	24,520,792	22,519,106
July	17,710,096	16,401,591	14,308,799	15,688,877	15,877,147	17,257,017	19,682,565	18,201,082	20,903,488	25,803,776	23,801,328
August	16,125,761	15,894,999	13,101,637	14,994,998	14,624,309	16,156,848	17,252,583	15,872,671	20,696,740	23,783,065	23,490,570
September	12,565,316	12,840,832	10,053,913	10,693,257	10,831,815	11,865,423	14,203,492	12,268,126	17,022,984	20,647,326	21,878,667
October	9,395,028	11,178,006	8,527,775	9,519,112	10,589,187	11,166,815	14,205,928	10,186,067	16,358,759	19,929,656	23,815,803
November	6,793,020	9,151,584	8,159,914	7,820,894	9,459,471	10,278,288	12,279,436	9,446,170	15,056,120	17,652,461	21,334,319
December	8,923,776	9,026,679	9,097,916	9,718,696	10,869,052	11,869,999	13,979,498	10,586,351	15,189,768	19,682,429	23,271,639
Total	133,695,555	149,477,018	131,253,412	137,420,062	146,883,717	161,196,472	179,864,652	156,897,818	188,445,879	242,616,637	263,275,528

TABLE 53. MANUFACTURE OF NONFAT-DRY-MILK FOR ANIMAL FEED, IN CALIFORNIA, 1971-1981 (Pounds)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	72,330	91,443	59,551	59,167	65,507	66,638	58,617	85,559	58,359	86,577	134,919
February	88,621	78,103	53,738	45,809	63,984	57,275	68,169	91,792	56,539	100,878	94,365
March	115,610	107,829	67,881	64,327	78,300	53,911	76,625	89,570	64,650	133,266	154,188
April	76,727	157,148	66,718	98,672	90,718	105,228	90,662	90,652	86,380	99,863	126,439
May	111,144	223,162	82,652	77,119	108,030	202,646	112,930	101,778	118,655	133,522	148,126
June	191,664	237,991	89,295	107,751	144,855	82,613	115,699	98,670	106,576	155,472	180,054
July	311,979	228,352	106,926	152,679	156,867	111,120	139,194	145,775	150,033	154,648	210,961
August	289,840	203,874	89,306	205,000	139,450	112,797	134,706	96,819	152,431	132,554	138,140
September	216,176	115,584	74,914	70,679	109,324	98,043	114,654	88,036	107,556	183,154	186,125
October	144,977	121,217	58,896	68,118	62,264	98,943	115,868	78,788	120,645	137,595	167,370
November	66,400	84,593	66,960	45,694	47,761	61,746	74,969	83,432	96,416	127,027	174,985
December	69,167	83,386	65,157	50,423	66,002	53,746	84,598	85,563	108,413	143,926	268,310
Total	1,754,635	1,732,682	881,994	1,045,438	1,133,062	1,104,706	1,186,691	1,136,434	1,226,653	1,588,482	1,983,982

TABLE 54. MANUFACTURE OF BUTTERMILK IN CALIFORNIA, 1971-1981 (Gallons)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	1,169,667	1,216,522	1,186,714	1,103,970	1,057,685	1,098,310	1,058,880	1,003,433	973,150	903,952	873,549
February	1,106,474	1,178,554	1,080,961	993,593	947,666	1,008,481	1,003,158	936,289	898,208	858,367	825,838
March	1,269,958	1,299,343	1,209,182	1,109,433	1,044,636	1,137,617	1,112,213	1,093,092	984,272	893,810	933,728
April	1,224,793	1,186,194	1,186,138	1,083,728	1,052,797	1,086,856	1,071,905	1,017,698	932,276	907,591	909,652
May	1,194,552	1,273,563	1,250,130	1,119,802	1,071,447	1,164,337	1,067,906	1,090,987	993,324	898,227	895,733
June	1,248,003	1,263,255	1,265,394	1,091,171	1,076,348	1,169,243	1,065,695	1,056,935	943,424	917,105	928,336
July	1,360,364	1,328,418	1,302,071	1,188,935	1,162,300	1,197,635	1,087,746	1,053,947	957,338	918,719	947,983
August	1,451,001	1,478,306	1,314,027	1,148,991	1,098,679	1,154,832	1,153,955	1,058,664	1,007,482	942,759	877,717
September	1,368,143	1,322,137	1,198,744	1,116,283	1,101,379	1,147,950	1,068,665	985,881	963,164	894,562	894,058
October	1,304,509	1,250,040	1,258,516	1,098,458	1,108,217	1,113,128	1,050,839	1,034,174	937,489	917,431	829,179
November	1,211,159	1,168,316	1,106,590	1,004,158	1,035,481	1,096,622	1,019,174	944,796	868,360	855,771	840,167
December	1,125,452	1,125,099	1,047,438	1,007,397	1,037,062	1,132,302	991,425	892,031	882,432	868,261	821,168
Total	15,034,075	15,089,747	14,405,905	13,065,919	12,793,697	13,507,513	12,751,561	12,167,927	11,340,919	10,776,555	10,577,108

TABLE 55. MANUFACTURE OF ICE CREAM IN CALIFORNIA, 1971-1981 (Gallons)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	4,818,313	5,149,596	5,553,694	5,919,195	6,124,862	6,191,071	5,907,774	5,835,485	6,350,980	6,247,041	6,205,235
February	5,300,983	5,600,452	5,283,098	5,510,428	5,693,346	6,135,084	5,944,672	5,926,463	6,307,557	6,983,138	6,603,166
March	6,345,972	6,967,045	6,161,154	6,568,808	6,639,206	7,532,902	7,799,978	7,828,013	7,712,701	7,770,253	7,897,802
April	6,341,168	5,863,861	5,988,355	6,557,482	6,703,270	7,026,875	7,308,319	7,151,847	7,345,798	7,669,571	7,622,194
May	5,620,435	6,776,940	6,603,248	6,683,655	7,365,981	7,352,618	7,065,941	8,044,078	8,075,767	7,759,459	7,996,749
June	6,956,677	7,337,319	7,247,101	7,481,036	8,556,406	8,414,576	8,216,024	9,190,663	8,743,310	8,475,633	9,638,159
July	7,284,255	7,178,640	7,501,585	8,357,363	8,773,057	9,098,317	8,060,791	8,506,610	8,642,687	9,482,641	10,381,126
August	7,314,662	7,755,766	7,043,305	8,124,573	8,028,080	8,397,903	8,755,703	9,151,216	9,285,620	9,314,616	9,070,995
September	7,031,748	6,418,965	6,339,068	7,125,017	7,506,902	7,503,049	7,508,619	6,945,402	7,356,422	7,449,444	8,319,800
October	5,767,806	5,695,219	6,312,827	6,768,115	7,405,795	6,429,161	6,556,530	7,713,146	8,009,799	7,708,245	7,207,262
November	4,943,560	5,258,530	5,436,058	5,640,085	5,658,715	6,661,622	6,539,043	6,655,471	6,121,780	5,712,745	6,527,797
December	4,912,667	4,647,021	4,532,867	5,529,014	6,275,272	6,057,021	5,706,187	5,282,815	5,156,936	6,140,630	6,709,143
Total	72,638,246	74,649,354	74,002,360	80,264,771	84,730,892	86,800,199	85,369,581	88,231,209	89,109,357	90,713,416	94,179,428

TABLE 56. MANUFACTURE OF ICE MILK IN CALIFORNIA, 1971-1981 (Gallons)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	1,768,486	1,785,068	1,934,187	2,235,050	1,899,744	1,900,399	1,713,423	1,782,391	1,877,067	1,872,419	1,881,620
February	1,978,289	2,012,122	1,855,842	1,937,291	1,866,529	1,824,942	1,869,612	2,012,162	1,904,318	2,001,004	1,981,683
March	2,347,894	2,512,950	2,327,313	2,270,860	2,351,827	2,512,319	2,521,498	2,469,702	2,425,873	2,346,037	2,283,809
April	2,385,516	2,338,567	2,425,483	2,437,799	2,297,546	2,264,591	2,334,809	2,322,322	2,301,330	2,335,254	2,551,102
May	2,397,370	2,795,997	2,630,683	2,709,705	2,775,099	2,534,664	2,503,741	2,933,525	2,629,670	2,552,836	2,527,268
June	2,812,527	2,914,962	2,906,770	2,719,560	2,903,342	2,615,247	2,856,664	2,958,212	2,740,882	2,622,433	2,977,307
July	3,003,211	2,996,478	2,826,442	3,037,060	3,142,004	2,669,884	2,738,493	2,770,006	2,788,345	2,936,872	2,960,275
August	3,059,971	3,020,480	2,849,978	2,959,873	2,863,496	2,469,495	2,926,940	3,008,282	2,802,117	2,843,620	2,595,438
September	2,747,453	2,534,322	2,361,769	2,537,053	2,596,843	2,312,986	2,568,294	2,383,569	2,509,214	2,708,163	2,486,816
October	2,297,406	2,206,580	2,349,299	2,446,155	2,466,981	2,194,081	2,311,192	2,509,024	2,496,452	2,488,298	2,173,617
November	1,852,788	1,913,181	1,955,866	1,851,859	2,020,465	2,049,072	1,972,672	2,119,654	2,119,034	1,899,994	1,915,522
December	1,738,238	1,762,263	1,675,699	1,682,336	2,024,371	1,868,762	1,799,371	1,733,465	1,822,970	2,149,025	2,042,557
Total	28,389,149	28,792,970	28,099,331	28,824,601	29,208,247	27,216,442	28,116,709	29,002,314	28,417,272	28,755,955	28,377,014

TABLE 57. MANUFACTURE OF SHERBET IN CALIFORNIA, 1971-1981 (Gallons)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	348,231	398,279	422,739	460,598	425,339	397,052	411,666	349,157	383,318	364,749	311,770
February	376,979	405,331	406,516	401,815	330,019	437,252	386,777	313,724	329,255	336,516	349,817
March	516,132	592,240	479,159	455,098	455,128	533,318	500,613	462,368	456,522	385,572	401,241
April	480,364	476,431	484,435	531,311	473,018	517,125	440,192	404,669	381,212	451,686	376,517
May	489,632	558,822	581,688	531,205	521,658	517,225	519,196	523,444	489,162	437,732	447,270
June	567,425	626,591	625,895	677,441	610,483	772,432	583,643	614,240	593,302	438,194	552,303
July	616,548	600,555	725,906	673,779	610,724	764,628	603,670	520,876	549,096	609,372	674,031
August	629,878	674,843	558,509	692,469	561,021	578,995	681,118	532,562	546,676	553,245	459,737
September	614,366	539,864	492,581	537,475	535,232	568,992	486,265	392,661	422,243	367,276	464,936
October	459,682	447,838	456,270	466,134	493,205	423,015	382,210	497,272	465,705	416,086	328,654
November	379,250	374,659	387,248	371,711	331,810	435,332	387,815	355,030	329,777	289,340	260,100
December	357,941	369,040	301,871	366,655	433,046	388,799	327,574	265,793	241,448	365,870	325,359
Total	5,836,428	6,064,493	5,922,817	6,165,691	5,780,683	6,334,165	5,710,739	5,231,796	5,187,716	5,015,638	4,951,735

TABLE 58. MANUFACTURE OF IMITATION ICE CREAM IN CALIFORNIA 1971-1981 (Gallons)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	355,334	342,282	354,835	408,884	293,282	249,537	150,771	121,878	139,716	85,887	84,991
February	356,662	381,786	369,038	262,923	285,796	162,877	174,302	126,241	150,493	106,940	86,492
March	474,563	477,741	373,723	362,921	325,666	256,568	254,513	240,834	133,490	97,292	73,033
April	437,591	371,901	402,712	322,659	305,123	239,729	176,495	156,639	164,277	110,595	86,510
May	438,416	455,292	396,372	403,584	340,165	227,232	186,689	154,087	104,239	114,103	110,514
June	532,348	474,744	475,746	363,568	368,366	275,470	272,884	242,583	188,805	126,704	117,851
July	488,956	454,594	459,508	439,315	357,915	253,746	207,376	174,659	96,434	168,979	107,032
August	504,255	494,549	429,799	347,062	318,161	264,110	204,210	184,196	190,040	151,736	64,801
September	494,752	389,109	414,832	367,995	266,335	201,506	189,742	151,380	148,208	67,301	66,757
October	379,675	352,554	370,702	299,828	300,440	244,140	133,273	151,063	105,293	140,496	81,076
November	319,459	308,732	312,421	252,737	191,501	149,111	132,109	119,974	90,353	57,453	53,795
December	311,021	245,748	238,234	197,374	219,464	131,559	122,254	99,518	55,875	78,515	29,506
Total	5,093,032	4,749,032	4,597,922	4,028,850	3,572,214	2,655,585	2,204,618	1,923,052	1,567,223	1,306,001	962,358

TABLE 59. MANUFACTURE OF IMITATION ICE MILK IN CALIFORNIA, 1971-1981 (Gallons)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	428,634	418,624	413,792	325,270	235,128	175,776	120,086	77,208	94,091	57,320	50,508
February	447,352	451,615	362,007	318,340	267,368	169,570	150,497	111,726	70,614	60,396	75,254
March	610,720	631,062	480,622	384,440	284,481	305,227	200,798	122,171	135,401	82,734	65,790
April	540,261	492,614	418,211	376,679	280,182	296,356	149,576	158,291	92,791	113,594	78,968
May	575,616	620,544	525,297	411,833	308,778	261,889	179,315	144,561	134,940	75,362	69,301
June	687,250	622,753	526,504	429,558	355,000	251,204	176,219	169,502	105,344	105,706	95,035
July	711,787	611,382	530,275	426,222	331,111	289,209	190,826	141,430	125,292	106,439	94,074
August	730,401	732,554	515,641	427,599	298,634	232,217	211,782	145,842	109,214	105,737	71,097
September	614,073	528,262	390,475	370,816	289,092	193,613	159,909	132,860	77,619	80,342	61,626
October	511,934	429,398	396,854	330,463	206,551	154,566	107,156	126,571	105,029	70,986	52,600
November	360,117	384,069	345,138	266,217	173,934	153,307	120,752	92,476	60,237	54,087	44,893
December	357,251	298,761	256,232	198,555	144,081	119,128	105,707	75,157	49,762	46,511	22,790
Total	6,575,396	6,221,638	5,161,048	4,265,992	3,174,340	2,602,062	1,872,623	1,497,795	1,160,334	959,214	781,936

TABLE 60. MANUFACTURE OF IMITATION ICE CREAM AND IMITATION ICE MILK IN CALIFORNIA, 1971-1981 (Gallons)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	783,968	760,906	768,627	734,154	528,410	425,313	270,857	199,086	233,807	143,207	135,499
February	804,014	833,401	731,045	581,263	553,164	332,447	324,799	237,967	221,107	167,336	161,746
March	1,085,283	1,108,803	854,345	747,361	610,147	561,795	455,311	363,005	268,891	180,026	138,823
April	977,852	864,515	820,923	699,338	585,305	536,085	326,071	314,930	257,068	224,189	165,478
May	1,014,032	1,075,836	921,669	815,417	648,943	489,121	366,004	298,648	239,179	189,465	179,815
June	1,219,598	1,097,497	1,002,250	793,126	723,366	526,674	449,103	412,085	294,149	232,410	212,886
July	1,200,743	1,065,976	989,783	865,537	689,026	542,955	398,202	316,089	221,726	275,418	201,106
August	1,234,656	1,227,103	945,440	774,661	616,795	496,327	415,997	330,038	299,254	257,473	135,898
September	1,108,825	917,371	805,307	738,811	555,427	395,119	349,651	284,240	225,827	147,643	128,383
October	891,609	781,952	767,556	630,291	506,991	398,706	240,429	277,634	210,322	211,482	133,676
November	679,576	692,801	657,559	518,954	365,435	302,418	252,861	212,450	150,590	111,540	98,688
December	668,272	544,509	494,466	395,929	363,545	250,687	227,961	174,675	105,637	125,026	52,296
Total	11,668,428	10,970,670	9,758,970	8,294,842	6,746,554	5,257,647	4,077,241	3,420,847	2,727,557	2,265,215	1,744,294

TABLE 61. MANUFACTURE OF ICE CREAM, ICE MILK, SHERBET AND IMITATION ICE CREAM AND ICE MILK IN CALIFORNIA, 1971-1981 (Gallons)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	7,718,998	8,093,849	8,679,247	9,348,997	8,978,355	8,913,835	8,303,720	8,166,119	8,845,172	8,627,416	8,534,125
February	8,460,265	8,851,306	8,276,501	8,430,797	8,443,058	8,729,725	8,525,860	8,490,316	8,762,237	9,487,994	9,096,412
March	10,295,281	11,181,038	9,821,971	10,042,127	10,056,308	11,140,334	11,277,400	11,123,088	10,863,987	10,681,888	10,721,675
April	10,184,900	9,543,374	9,719,196	10,225,930	10,059,139	10,344,676	10,409,391	10,193,768	10,285,408	10,680,700	10,715,291
May	9,521,469	11,207,595	10,737,288	10,739,982	11,311,681	10,893,628	10,454,882	11,799,695	11,433,778	10,939,492	11,151,102
June	11,556,227	11,976,369	11,782,016	11,671,163	12,793,597	12,328,929	12,105,434	13,175,200	12,371,643	11,768,670	13,380,655
July	12,104,757	11,841,649	12,043,716	12,933,739	13,214,811	13,075,784	11,801,156	12,113,581	12,201,854	13,304,303	14,216,538
August	12,239,167	12,678,192	11,397,232	12,551,576	12,069,392	11,942,720	12,779,753	13,022,098	12,933,667	12,968,954	12,262,068
September	11,502,392	10,410,522	9,998,725	10,938,356	11,194,404	10,780,146	10,912,829	10,005,872	10,513,706	10,672,526	11,399,935
October	9,416,503	9,131,589	9,885,952	10,310,695	10,872,972	9,444,963	9,490,361	10,997,076	11,182,278	10,824,111	9,843,209
November	7,855,174	8,239,171	8,436,731	8,382,609	8,376,425	9,448,444	9,152,391	9,342,605	8,721,181	8,013,619	8,802,107
December	7,677,118	7,322,833	7,004,903	7,973,934	9,096,234	8,565,269	8,061,093	7,456,748	7,326,991	8,780,551	9,129,355
Total	118,532,251	120,477,487	117,783,478	123,549,905	126,466,376	125,608,453	123,274,270	125,886,166	125,441,902	126,750,224	129,252,472

CONSUMPTION PER CAPITA OF DAIRY PRODUCTS

The population of California on July 1, 1981, was estimated by the California Department of Finance to be 24,196,000. This represented an increase of 427 thousand persons or approximately 1.8 percent from the same date a year earlier.

Although no data are collected which directly relate to the consumption of dairy products in California, the quantities of some dairy products either sold or manufactured in California represent reasonably well the quantities consumed in the State. These are products which for the most part are neither imported nor exported in significant amounts and which are not storable for any extended period of time. Products that have these characteristics and for which sales data are available are: fluid milk, fluid skim milk, half-and-half, and prior to 1974, flavored dairy drink and fluid cream. The quantities of manufactured products produced in this State which may be assumed to represent those consumed here, are limited to cottage cheese, buttermilk, and frozen products.

The sales of various dairy products and the manufacture of selected manufactured dairy products are expressed in either quarts per capita or pounds per capita in Table 62. Population figures used are those shown in the first column of the Table.

Per capita sales of all Class 1 dairy products in California during 1981 amounted to 118.98 quarts. These 118.98 quarts included: 107.62 quarts of fluid milk, 7.30 quarts of skim milk, 1.60 quarts of half-and-half, and 2.46 quarts of yogurt and miscellaneous Class 1 products. Valid comparisons of the per capita sales of these items for 1974 and later cannot be made with data for 1973 and earlier due to product reclassifications and changes in reporting procedures. For example, fluid creams are no longer classified as Class 1 products, and yogurt has been included with Class 1 products beginning in 1974. Flavored dairy drinks are now included with either fluid milk or fluid skim milk, depending on the fat content.

The 1981 manufacture per capita of cottage cheese and lowfat cottage cheese in California totaled 5.91 pounds, a decrease of 4.0 percent from 1980. Cottage cheese (creamed cottage cheese) accounted for 3.79 pounds per capita, and lowfat cottage cheese (partially-creamed cottage cheese) accounted for 2.12 pounds per capita. Between 1980 and 1981, the manufacture per capita of cottage cheese decreased 6.9 percent and the manufacture per capita of lowfat cottage cheese increased 1.0 percent.

During 1981, the manufacture per capita of buttermilk in California amounted to 1.75 quarts. This was 3.3 percent less than the manufacture per capita during 1980.

Manufacture per capita of all frozen products in California during 1981 totaled 21.37 quarts, an increase from 1980 of 0.2 percent. The manufacture per capita of all frozen products included 15.57 quarts of ice cream, 4.69 quarts of ice milk, 0.82 quarts of sherbet, 0.16 quarts of imitation ice cream, and 0.13 quarts of imitation ice milk. Between 1980 and 1981 the manufacture per capita of frozen dairy products, with the exception of ice cream which experienced a percentage increase of 2.0, showed the following percentage decreases: ice milk 3.1, sherbet 2.4, imitation ice cream 27.3, imitation ice milk 18.8.

TABLE 62. ESTIMATED CONSUMPTION PER CAPITA OF SELECTED DAIRY PRODUCTS IN CALIFORNIA, BY YEARS, 1964-1981

Year	Estimated population, July 1 (thousands)	Sales per capita (quarts) Total Class 1 products	Fluid milk	Fluid skim milk	Flavored dairy drink	Half-and-Half	Yogurt and misc. Class 1 products	Sour fluid cream	Other fluid cream
1964	18,020	137.12	122.94	7.60	2.56	3.03	Not	0.61	0.38
1965	18,490	133.99	120.65	7.16	2.39	2.81	Included	0.62	0.36
1966	18,850	134.80	121.98	7.05	2.13	2.64	in	0.66	0.34
1967	19,232	131.88	119.40	7.07	2.00	2.44	Total	0.65	0.32
1968	19,511	129.72	117.19	7.21	2.10	2.28	Class 1	0.68	0.26
1969	19,817	126.87	114.78	7.05	2.09	2.10	Products	0.68	0.17
1970	20,039	125.32	113.54	6.89	2.07	1.94	until	0.71	0.17
1971	20,346	123.60	111.99	7.12	1.94	1.66	1974	0.71	0.18
1972	20,585	127.60	115.44	7.72	1.99	1.57		0.70	0.17
1973	20,868	127.49	115.20	7.96	1.88	1.56		0.72	0.16
1974	21,173	126.10	113.62	8.24	1/	1.55	2.68 2/	3/	3/
1975	21,537	126.07	113.17	8.59		1.52	2.78 2/		
1976	21,935	127.91	115.67	8.49		1.55	2.21		
1977	22,350	127.85	115.62	8.47		1.54	2.21		
1978	22,839	126.50	114.68	8.07		1.59	2.16		
1979	23,255	125.86	114.00	7.75		1.61	2.50		
1980	23,769	122.08	110.27	7.52		1.58	2.71		
1981	24,196	118.98	107.62	7.30		1.60	2.46		

Table 62 (Continued)
Manufacture per capita

Year	Cottage Cheese (pounds)				Frozen products (quarts)					
	Total	Cottage cheese	Lowfat cottage cheese	Buttermilk (quarts)	Total Frozen Products	Ice cream	Ice milk	Sherbet	Imitation Ice cream	Imitation Ice milk
1964	7.43	6.54	0.89	3.36	24.04	14.13	5.35	1.21	1.39	1.96
1965	7.34	6.41	0.93	3.25	24.52	14.46	5.47	1.21	1.28	2.10
1966	7.14	6.20	0.94	3.13	24.69	14.38	5.77	1.24	1.12	2.18
1967	7.14	6.13	1.01	2.97	24.23	14.07	5.61	1.20	1.13	2.22
1968	7.25	6.18	1.07	2.83	24.47	14.31	5.73	1.25	1.16	2.02
1969	7.85	6.29	1.26	2.86	24.07	14.14	5.80	1.23	1.13	1.77
1970	8.25	6.77	1.48	2.93	24.00	14.37	5.82	1.20	1.06	1.54
1971	8.32	6.65	1.67	2.96	23.30	14.28	5.58	1.15	1.00	1.29
1972	8.22	6.32	1.89	2.93	23.41	14.50	5.59	1.18	0.92	1.21
1973	7.83	5.80	2.03	2.76	22.58	14.18	5.39	1.14	0.88	0.99
1974	7.06	5.15	1.91	2.47	23.34	15.16	5.44	1.16	0.76	0.80
1975	6.71	4.79	1.92	2.38	23.49	15.74	5.42	1.07	0.66	0.59
1976	6.85	4.88	1.98	2.46	22.90	15.83	4.96	1.16	0.48	0.47
1977	6.56	4.63	1.93	2.28	22.06	15.28	5.03	1.02	0.39	0.34
1978	6.41	4.41	2.00	2.13	22.05	15.45	5.08	0.92	0.34	0.26
1979	6.33	4.32	2.01	1.95	21.58	15.33	4.89	0.89	0.27	0.20
1980	6.16	4.07	2.10	1.81	21.33	15.26	4.84	0.84	0.22	0.16
1981	5.91	3.79	2.12	1.75	21.37	15.57	4.69	0.82	0.16	0.13

1/ Subsequent to 1973 flavored dairy drink became either flavored fluid milk or flavored fluid skim milk depending on fat content.

2/ Prior to 1976, yogurt included out-of-State sales.

3/ No longer Class 1 products.

MINIMUM PRICES

As specified in Division 21, Part 3, Chapter 2 of the Food and Agricultural Code of the State of California, the Bureau of Milk Stabilization establishes minimum prices to be paid to producers by handlers for market milk in the various usage classifications for each marketing area in the State.

Commencing August 1, 1978, minimum Class 1 prices were established by means of an economic formula. The factors used in the formula and their respective weights are as follows: Cost of production, 43%; Class 4 price, 42%; and real net spendable earnings as published by the Employment Development Department for the Los Angeles-Long Beach metropolitan area, 15%. These Class 1 prices are calculated bimonthly by the Bureau of Milk Stabilization and are subject to change as a result of hearings.

Minimum class prices in effect during 1981 are shown in Tables 63 through 66.

TABLE 63. MINIMUM PRODUCER PRICES FOR CLASS 1 USAGE OF MARKET GRADE MILK, BY MARKETING AREAS, CALIFORNIA, 1981

Time Period	Marketing Area	PRODUCER PRICES, F.O.B. PLANT				
		Component Basis			Cwt. Basis 1/	Weighted Average Basis 2/
		Fat	SNF	Fluid		
		($/lb.)			($/Cwt.)	($/Cwt.)
Jan. 1-Jan. 31	Central Coast Counties	1.6494	0.8329	0.0114	14.02	
	Central Valley	1.6444	0.8329	0.0081	13.71	
	Del Norte-Humboldt	1.6494	0.8329	0.0127	14.13	
	North Valley	1.6444	0.8329	0.0099	13.87	13.94
	Redwood	1.6494	0.8329	0.0098	13.88	
	South Valley	1.6444	0.8329	0.0081	13.71	
	Southern California	1.6494	0.8329	0.0142	14.26	
Feb. 1-Mar. 31	Central Coast Counties	1.6365	0.8277	0.0112	13.91	
	Central Valley	1.6315	0.8277	0.0079	13.60	
	Del Norte-Humboldt	1.6365	0.8277	0.0125	14.03	
	North Valley	1.6315	0.8277	0.0097	13.76	13.84
	Redwood	1.6365	0.8277	0.0096	13.77	
	South Valley	1.6315	0.8277	0.0079	13.60	
	Southern California	1.6365	0.8277	0.0140	14.16	
Apr. 1-May 31	Central Coast Counties	1.6771	0.8441	0.0120	14.27	
	Central Valley	1.6721	0.8441	0.0087	13.96	
	Del Norte-Humboldt	1.6771	0.8441	0.0133	14.38	
	North Valley	1.6721	0.8441	0.0105	14.12	14.19
	Redwood	1.6771	0.8441	0.0104	14.13	
	South Valley	1.6721	0.8441	0.0087	13.96	
	Southern California	1.6771	0.8441	0.0148	14.51	
June 1-June 30	Central Coast Counties	1.6875	0.8483	0.0122	14.36	
	Central Valley	1.6825	0.8483	0.0089	14.05	
	Del Norte-Humboldt	1.6875	0.8483	0.0135	14.47	
	North Valley	1.6825	0.8483	0.0107	14.21	14.28
	Redwood	1.6875	0.8483	0.0106	14.22	
	South Valley	1.6825	0.8483	0.0089	14.05	
	Southern California	1.6875	0.8483	0.0150	14.60	
July 1-July 31	Central Valley	1.6825	0.8483	0.0089	14.05	
	Del Norte-Humboldt	1.6875	0.8483	0.0135	14.47	
	Northern California 3/	1.6825	0.8483	0.0107	14.21	14.28
	South Valley	1.6825	0.8483	0.0089	14.05	
	Southern California	1.6875	0.8483	0.0150	14.60	
Aug. 1-Sept. 30	Central Valley	1.6433	0.8325	0.0081	13.70	
	Del Norte-Humboldt	1.6483	0.8325	0.0127	14.13	
	Northern California	1.6433	0.8325	0.0099	13.86	13.94
	South Valley	1.6433	0.8325	0.0081	13.70	
	Southern California	1.6483	0.8325	0.0142	14.26	
Oct. 1-Nov. 31	Central Valley	1.6382	0.8304	0.0080	13.66	
	Del Norte-Humboldt	1.6432	0.8304	0.0126	14.08	
	Northern California	1.6382	0.8304	0.0098	13.82	13.89
	South Valley	1.6382	0.8304	0.0080	13.66	
	Southern California	1.6432	0.8304	0.0141	14.21	
Dec. 1-Dec. 31	Central Valley	1.6288	0.8266	0.0078	13.58	
	Del Norte-Humboldt	1.6338	0.8266	0.0124	14.00	
	Northern California	1.6288	0.8266	0.0096	13.74	13.81
	South Valley	1.6288	0.8266	0.0078	13.58	
	Southern California	1.6338	0.8266	0.0139	14.13	

1/ Based on 3.5 percent fat, 8.7 percent solids-not-fat, and 87.8 percent fluid carrier.

2/ Calculated on a statewide basis using marketing area production as weights.

3/ Effective July 1, 1981 Central Coast Counties, North Valley and Redwood were consolidated into the Northern California Marketing Area.

TABLE 64. MINIMUM PRODUCER PRICES FOR CLASS 2, 3, AND 4 USAGE OF MILK FAT, IN DOLLARS PER POUND, F.O.B. DISTRIBUTOR'S PLANT, CALIFORNIA, 1981

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						CLASS 2						
Southern California	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7377	1.7057
No., So., & Central Valley, Redwood	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7354	1.7034
Del Norte-Humboldt	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.7084	1.6764
Central Coast Counties	1.7039	1.7039	1.7039	1.7039	1.7039	1.7039	1/	---	---	---	---	---
						CLASS 3						
Southern California	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7057	1.7377	1.7057
No., So., & Central Valley, Redwood	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7034	1.7354	1.7034
Del Norte-Humboldt	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.7084	1.6764
Central Coast Counties	1.7039	1.7039	1.7039	1.7039	1.7039	1.7039	1/	---	---	---	---	---
						CLASS 4						
All Areas	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.6764	1.7084	1.6764	1.6764

1/ Effective July 1, 1981 Central Coast Counties, North Valley, and Redwood were consolidated into the Northern California Marketing Area.

TABLE 65. MINIMUM PRODUCER PRICES FOR CLASS 2, 3, AND 4 USAGE OF SOLIDS-NOT-FAT, IN DOLLARS PER POUND, F.O.B. DISTRIBUTOR'S PLANT, CALIFORNIA, 1981

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						CLASS 2						
Southern California	0.8358	0.8355	0.8356	0.8356	0.8356	0.8354	0.8355	0.8355	0.8354	0.8354	0.8517	0.8354
No., So., & Central Valley, Redwood	0.8100	0.8097	0.8098	0.8098	0.8098	0.8096	0.8097	0.8097	0.8096	0.8096	0.8259	0.8096
Del Norte-Humboldt	0.8056	0.8053	0.8054	0.8054	0.8054	0.8052	0.8053	0.8053	0.8052	0.8052	0.8215	0.8052
Central Coast Counties	0.8159	0.8156	0.8157	0.8157	0.8157	0.8155	1/	---	---	---	---	---
						CLASS 3						
Southern California	0.8043	0.8040	0.8041	0.8041	0.8041	0.8039	0.8040	0.8040	0.8039	0.8039	0.8202	0.8039
No., So., & Central Valley, Redwood	0.8043	0.8040	0.8041	0.8041	0.8041	0.8039	0.8040	0.8040	0.8039	0.8039	0.8202	0.8039
Del Norte-Humboldt	0.8043	0.8040	0.8041	0.8041	0.8041	0.8039	0.8040	0.8040	0.8039	0.8039	0.8202	0.8039
Central Coast Counties	0.8043	0.8040	0.8041	0.8041	0.8041	0.8039	1/	---	---	---	---	---
						CLASS 4						
All Areas	0.7654	0.7655	0.7655	0.7655	0.7653	0.7654	0.7654	0.7653	0.7653	0.7816	0.7653	0.7653

1/ Effective July 1, 1981 Central Coast Counties, North Valley, and Redwood were consolidated into the Northern California Marketing Area.

TABLE 66. EQUIVALENT MINIMUM PRODUCER PRICES FOR CLASS 2, 3, AND 4 USAGE OF MILK, F.O.B. DISTRIBUTOR'S PLANT, CALIFORNIA, 1981 1/

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
					CLASS 2							
Southern California	13.24	13.24	13.24	13.24	13.24	13.24	13.24	13.24	13.24	13.24	13.49	13.24
No., So., & Central Valley, Redwood	13.01	13.01	13.01	13.01	13.01	13.00	13.01	13.01	13.00	13.00	13.26	13.00
Del Norte-Humboldt	12.88	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87	13.13	12.87
Central Coast Counties	13.06	13.06	13.06	13.06	13.06	13.06	2/	---	---	---	---	---
					CLASS 3							
Southern California	12.97	12.96	12.96	12.96	12.96	12.96	12.96	12.96	12.96	12.96	13.22	12.96
No., So., & Central Valley, Redwood	12.96	12.96	12.96	12.96	12.96	12.96	12.96	12.96	12.96	12.96	13.21	12.96
Del Norte-Humboldt	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	13.12	12.86
Central Coast Counties	12.96	12.96	12.96	12.96	12.96	12.96	2/	---	---	---	---	---
					CLASS 4							
All Areas	12.53	12.53	12.53	12.53	12.52	12.53	12.53	12.52	12.52	12.78	12.52	12.52

1/ Prices are expressed as dollars per hundredweight for 3.5 percent butterfat and 8.7 percent solids-not-fat milk

2/ Effective July 1, 1981 Central Coast Counties, North Valley, and Redwood were consolidated into the Northern California Marketing Area

SALES OF MARKET WHOLE MILK AND LOWFAT MILK BY SIZE AND TYPE OF CONTAINER, AND BY TYPE OF TRADE

In October 1981, all market milk distributors in California were requested to complete a special one-page form relating to their sales of market whole milk and lowfat milk by size and type of container and by type of trade. A similar survey for the month of October has been made each year since 1951.

Table 67 contains summary tabulations of the data reported on the special survey forms for October 1981. In this table, all sales are expressed in gallon units. For example, sales in quarts represent the number of gallons (expressed as quart units) sold rather than the number of quarts sold. This results in greater comparability and facilitates the computation of percentage distributions.

Sales by type of trade were reported under the headings of wholesale, retail, cash-and-carry, peddler and Federal Government. Since some routes, particularly for the smaller distributors and some of the peddlers, were probably "combination" routes, it seems likely that all sales are not properly classified as to type of trade. However, this factor is so small that it does not appear to have had any significant effect upon the overall results.

Users of these data should note that the survey summaries *do not include all sales of fluid milk in California.* For the State as a whole, the sales as reported in the summaries, account for a sample of approximately 97.5 percent of all market whole milk and lowfat milk sales in California.

TABLE 67. REPORTED SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY SIZE AND TYPE OF CONTAINER AND BY TYPE OF TRADE, IN CALIFORNIA, OCTOBER 1981
(Gallons)

Size and Type of Container	Wholesale	Retail	Cash-and-Carry	Peddler	Federal Government	Total
Bulk, dispensing	913,786	570	696	346,909	329,036	1,590,997
Bulk, other	13,512	---	1,000	1,249	---	15,761
10-Qt. container	64,012	512	6,877	35,654	---	107,055
Gallon container	24,646,214	34,002	119,893	2,096,924	272,141	27,169,174
Paper	4,707	---	---	396	---	5,103
Molded plastic	24,641,507	34,002	119,893	2,096,528	272,141	27,164,071
1/2-gal. container	14,717,204	136,254	183,840	2,287,030	451,367	17,775,695
Glass	8,851	55,545	44,856	78,793	---	188,045
Paper	13,995,389	70,205	89,531	1,922,908	451,367	16,529,400
Molded plastic	712,964	10,504	49,453	285,329	---	1,058,250
Quart container	2,414,635	8,647	7,998	403,325	16,908	2,851,513
Glass	936	2,325	1,477	5,059	---	9,797
Paper	2,412,862	6,178	4,909	397,486	16,908	2,838,343
Molded plastic	837	144	1,612	780	---	3,373
Pint container	811,007	1,130	4,510	265,273	6,726	1,088,646
1/3-qt. container	901,682	2,077	7,739	346,993	24,150	1,282,641
1/2-pt. container	2,119,992	2,693	26,546	804,646	32,945	2,986,822
Total gallons	46,602,044	185,885	359,099	6,588,003	1,133,273	54,868,304
			(Percent of total gallons)			
Bulk, dispensing	2.0	.3	.2	5.3	29.0	2.9
Bulk, other	*	---	.3	*	---	*
10-qt. container	.1	.3	1.9	.6	---	.2
Gallon container	52.9	18.3	33.4	31.8	24.0	49.5
Paper	*	---	---	*	---	*
Molded plastic	52.9	18.3	33.4	31.8	24.0	49.5
1/2-gal. container	31.6	73.3	51.2	34.7	39.8	32.4
Glass	*	29.9	12.5	1.2	---	.3
Paper	30.0	37.8	24.9	29.2	39.8	30.1
Molded plastic	1.6	5.6	13.8	4.3	---	1.9
Qt. container	5.2	4.7	2.2	6.1	1.5	5.2
Glass	*	1.3	.4	.1	---	*
Paper	5.2	3.3	1.4	6.0	1.5	5.2
Molded plastic	*	.1	.4	*	---	*
Pint container	1.7	.6	1.2	4.0	.6	2.0
1/3-qt. container	1.9	1.1	2.2	5.3	2.2	2.3
1/2-pt. container	4.6	1.4	7.4	12.2	2.9	5.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

* Less than 0.05 percent

PLANTS REPORTING SALES OF FLUID MARKET MILK

The number of plants reporting sales of fluid market milk during the month of December by county of plant location for the years 1972 through 1981 is shown in Table 68. During this ten year period, the number of plants was reduced from 278 in 1972 to 90 in 1981, a decline of 67.6 percent.

TABLE 68. NUMBER OF PLANTS REPORTING SALES OF FLUID MARKET MILK, BY COUNTIES OF PLANT LOCATION, CALIFORNIA, DECEMBER, 1972 - 1981

County	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Del Norte	1	1	1	1	1	1	1	1	1	1
Humboldt	3	3	3	3	3	2	2	2	2	3
Mendocino	3	2	2	2	2	2	2	2	1	1
Shasta	5	4	3	2	2	2	2	2	2	3
Siskiyou	1	1	1	1	1	1	1	1	1	1
Trinity	---	---	---	---	---	---	---	---	---	---
Lassen	1	1	1	---	---	---	---	---	---	---
Modoc	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---
Alameda	20	16	13	11	9	9	7	7	7	7
Contra Costa	6	6	5	5	4	3	3	3	1	1
Lake	---	---	---	---	---	---	---	---	---	---
Marin	1	---	---	---	---	---	---	---	---	---
Monterey	3	2	2	2	2	2	2	2	2	2
Napa	1	1	1	1	1	1	1	1	1	1
San Benito	---	---	---	---	---	---	---	---	---	---
San Francisco	6	5	3	3	3	2	1	1	1	1
San Luis Obispo	2	2	2	2	2	2	2	2	2	2
San Mateo	1	1	1	1	1	1	---	---	---	---
Santa Clara	11	10	8	8	7	6	5	5	3	3
Santa Cruz	1	1	2	1	1	1	1	1	1	---
Sonoma	8	8	7	7	6	6	6	6	5	4
Butte	2	1	1	1	1	1	1	1	1	1
Colusa	---	---	---	---	---	---	---	---	---	---
Glenn	---	---	---	---	---	---	---	---	---	---
Sacramento	8	6	6	5	5	5	5	5	5	5
Solano	1	1	1	---	---	---	---	---	---	---
Sutter	---	---	---	---	---	---	---	---	---	---
Tehama	1	1	1	1	1	1	---	---	---	---
Yolo	---	---	---	---	---	---	---	---	---	---
Yuba	---	---	---	---	---	---	---	---	---	---
Fresno	13	10	9	9	7	5	5	5	5	5
Kern	6	4	4	4	3	3	3	3	3	3
Kings	1	1	1	---	---	---	---	---	---	---
Madera	1	1	1	1	1	---	---	---	---	---
Merced	2	2	2	2	1	---	---	---	---	---
San Joaquin	8	5	4	4	4	2	2	2	1	1
Stanislaus	2	2	2	2	2	2	2	2	2	2
Tulare	4	3	3	2	1	---	---	---	---	1
Alpine	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---
El Dorado	---	---	---	---	---	---	---	---	---	---
Inyo	1	1	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---
Placer	2	1	---	---	---	---	---	---	---	---
Sierra	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---
Imperial	1	1	1	1	---	---	---	---	---	---
Los Angeles	85	71	63	51	43	37	35	35	29	25
Orange	16	13	10	9	8	8	7	7	5	4
Riverside	13	13	11	10	8	6	5	5	4	4
San Bernardino	21	19	16	12	10	10	4	4	3	3
San Diego	9	9	7	7	7	7	5	5	5	5
Santa Barbara	3	3	3	3	2	1	---	---	---	---
Ventura	4	4	4	3	2	1	1	1	1	1
Total	278	236	205	177	151	130	111	111	94	90

76059—150 6-82 1,500 CS OSP